

COLLEGE OF AGRICULTURE GUIDE

2012-2013



PURDUE
AGRICULTURE

VISIT...

LANZAROTE
Caliente.COM

College of Agriculture Faculty Resources
available online at:

<http://www.ag.purdue.edu/dean/facultyinfo>

Table of Contents

College of Agriculture	2	Ag/Vet Pre-Award Services	62
Overview	2	Post-Award Activities	69
Our Vision	2	Office of Academic Programs	74
Eleven Academic Departments	2	Criteria for Scholarly Activity	74
CoA Faculty Resources	3	Programs Contacts	75
CoA Strategic Plan 2009-2014	3	CoA Scholarship Information	78
Integrated Civil Rights Performance Plan	3	Honors Program Options	78
Guidelines for Promotion and Tenure	4	Dean's Scholars	78
Agricultural Research at Purdue (ARP)	7	Agriculture Honors Program	79
Strategic Themes	7	University Honors Program	79
Ag Research Role and Responsibilities	7	Honors College	79
Departmental Research Overviews	9	CoA Career Development	80
Graduate Programs	31	Undergraduate Research	81
Regional Purdue Agricultural Centers	34	Request for Research Funding	81
Centers and Institutes	37	Transfer Applicants	86
Research Facilities	40	Admission Decisions	86
Faculty/Staff Accomplishments and Impact Reporting (FAIR)	43	Offer of Acceptance	86
Land Grant Based Programs	44	Financial Aid	87
Guidelines for Preparing a Hatch, Animal Health, or McIntire-Stennis Research Project	44	On-Campus Housing	87
Writing a New or Revised Hatch, McIntire-Stennis or Animal Health Project	46	Registration and Orientation Programs	87
Review Process	46	2012-2013 Career Services	
Multistate Research	48	Coordinators for Purdue University	87
Guidelines for North Central Multistate Research (NCMR)	50	CoA Student Organizations	88
Sponsored Program Development	51	2011 Employment Summary	88
Vice-President for Research (OVPR)	52	Purdue Extension	94
Grant Writing Aids	52	The Research-Extension Continuum	94
Grant Opportunities	53	Purdue Engagement Mission	95
Funding Opportunities at Purdue	54	Purdue Extension	95
Post-Award Services	58	Leadership Team	95
Responsible Conduct of Research	59	Extension In Your Department	96
		Extension Across Indiana	97
		Budget	97
		PCARET	97
		Transformational Extension	98
		Issue-Based Action Teams (IBATs)	99

Table of Contents

Office of Multicultural Programs	100
Mission	100
Vision	100
Philosophical Statement	100
Provisions for Students	101
Student Organizations	101
Collaborations	101
What is MANRRS?	101
FEELS (Food, Environment, Engineering, and Life Sciences)	102
Multicultural Scholars Program	102
International Programs in Agriculture	103
Contact Information by Area	104
Agricultural Communications	105
Getting your News out	105
On Media Relations	106
Best Practices for Communication Projects	107
Agriculture Information Technology (AgIT)	108
Agriculture Advancement	109
Discovery Park	110
Office of Technology Commercialization (OTC)	111
Moving an Idea to the Market	111
IP Strategy, Business Development and Licensing	112
Funding Mechanisms Provided by PRF and OTC	112
Constitution of the Agriculture Faculty	114
Agriculture Faculty Committees	122
Helpful Sites & Templates for New Faculty	130

College of Agriculture

Overview

Purdue Agriculture is among the best colleges of agriculture in the nation and the world. We are committed to providing exceptional education for our students; discovering knowledge that stretches the frontiers of science and provides solutions to societal challenges; and helping the people of Indiana, our nation, and the world improve their lives and livelihoods. Research in Agriculture is addressing questions related to human and animal health, environmental and natural resource management, the bioeconomy, food security and food safety, and enhancing agricultural competitiveness. We are educating the next generation of leaders in the food, agricultural, life, and natural resource sciences—men and women who are prepared to make the world a better place and intellectually driven to discover new answers to our world's most challenging questions. Purdue Extension translates science into issue-focused solutions to help communities solve problems; improve people's day-to-day lives; enable food, farm, and agricultural business to compete globally; and create new value-added businesses.

Our Vision

Purdue Agriculture will make the world better through:

- Students who are prepared to make a difference
- Research with purpose leading to discovery with impact
- Engagement that transforms lives and livelihoods

Eleven Academic Departments

- Agricultural & Biological Engineering
- Agricultural Economics
- Agronomy
- Animal Sciences
- Biochemistry
- Botany & Plant Pathology
- Entomology
- Food Science
- Forestry & Natural Resources
- Horticulture & Landscape Architecture
- Youth Development and Agricultural Education

www.ag.purdue.edu



CONTACT INFORMATION

JAY AKRIDGE

Glenn W. Sample of Dean of
Agriculture

765-494-8391

akridge@purdue.edu

NANCY ALDRIDGE

Administrative Assistant

765-494-8391

naldridge@purdue.edu

College of Agriculture Faculty Resources

<http://www3.ag.purdue.edu/dean/facultyinfo>

Purdue College of Agriculture Strategic Plan 2009-2014

https://ag.purdue.edu/Documents/strategicplan/AgricultureStrategicPlan_2009.pdf

Integrated Civil Rights Performance Plan

Purdue Agriculture is committed to encouraging and welcoming diversity. We recognize that we all benefit when we cultivate a diverse, inclusive, and welcoming community where the unique contributions, talents and skills of our faculty, staff and students are acknowledged, valued, respected and rewarded.

This site serves as a collection point and resource center for policies, procedures and plans relative to equal access/equal opportunity, affirmative action, counseling, complaint processing and resolution at Purdue University.

https://ag.purdue.edu/civil_rights/Pages/default.aspx

www.ag.purdue.edu

Guidelines for Promotion and Tenure

July 1, 2012

Introduction

The following Guidelines were developed from feedback from the 2009 and 2010 Area Promotions Committee, the Extension Council, and a committee of College of Agriculture faculty involved in academic programs, and updated by the Area Committee in 2012. This document is in no way intended to be a set of “policies” or a “checklist”, but rather a general guide to developing a strong case for promotion and tenure. The range of scholarship in the College of Agriculture demands that criteria for promotion remain flexible and broad. The Guidelines are intended to help candidates, Department Heads, and mentors make promotion documents more effective at conveying the qualities of the candidate’s contributions and accomplishments that merit consideration for promotion, especially in the engagement and learning areas. The Guidelines are intended to extend and refine the Provost memo “West Lafayette Campus Promotions Policy”. These Guidelines will also be useful to Primary and Area Promotions Committees as they consider candidates for promotion and tenure. The Guidelines are intended to be a living document, subject to modification or refinement in the coming years. Candidates, Department Heads, and mentors are reminded to consult the Form 36 guidelines carefully to frame the documents in the standard format. Note also that the Guidelines emphasize that promotion documents should focus on those contributions that demonstrate creative scholarship.

General Guidelines

1. PRIMARY AREAS OF SCHOLARSHIP. Candidates may select one, two, or all three areas of scholarship on which they wish to be considered for promotion. In most cases one area of scholarship will dominate, and therefore only that area will be selected. But candidates who clearly have more than one primary area of scholarship should signify this on Form 36. This is an important decision and should be discussed with the Head and/or mentoring committee.

2. PAGE LIMITS. To make documents a reasonable length for the promotion committees, include only the evidence that makes the case that the candidate has accomplished significant creative scholarship. All parts of the document should focus on documenting the creative work and its impact. Significant honors recognizing excellence in any of the areas of scholarship, whether primary or not, should be reported (e.g. a teaching award for a person whose primary area is research or extension). Routine tasks in which faculty members engage should be summarized in very concise statements. As a rough guide, the entire text, excluding letters of reference, should be no more than 35 pages (except for candidates from Agricultural and Biological Engineering who must comply with College of Engineering document requirements). Candidates for Full Professor are encouraged to summarize activities while an Assistant Professor to the extent possible. Summarizing activities such as lists of Extension programs taught, lists of conferences attended, lists of abstracts published, and other areas where there may be much repetition of activity will allow focus on more significant contributions. Significant creative scholarship accomplished while an Assistant Professor should continue to be included in the promotion document (books, refereed journal publications, grants, etc.)

3. QUALITY INDICATORS. Refereed publications should include some measure of the quality of the outlets (e.g., tiers, impact factors, citations). Only papers that have been published or submitted should be in the document. Do not include papers “in preparation.” Do not separate foreign from domestic journals. Invited major addresses at national and international meetings or addresses selected by peer review should be listed under “invited lectures presented at regional, national, and international society meetings and/or other educational institutions” with some indication of how selective the invitation was. Attendance at society meetings or research conferences can be summarized without listing every venue and may be listed under “other evidence of national or international recognition...” Candidates should not let major accomplishments and recognitions get lost in long lists of routine faculty activities.

4. COLLABORATIVE AND INTERDISCIPLINARY WORK. Solving societal problems increasingly involves multidisciplinary, multi-investigator teams of researchers. Effective participation in team research is highly valued by the College and by Purdue University. It is critical, however, that the candidate’s contributions are clearly described in the promotion document including the role(s), contributions, and impacts of those contributions to the progress and outcome of the program.

5. LETTERS OF REFERENCE. Four to six letters should accompany the promotion document (a minimum of four are required). The credentials of the letter writers should be clear (National Academy member, president of a professional organization, Distinguished Professor, expert in the candidate’s field of scholarship, etc.). The relationship between a contributor of a letter and the candidate should be clear in the Head’s statement introducing the letter writer. The Heads should request that each letter from a faculty member at a U.S. academic institution include the answer to the question: “Would this candidate merit promotion at your institution?” Letters from key Extension/Engagement stakeholders, industry employees, other non-academic organizations, and non-US institutions are encouraged when relevant to the case for promotion, but should not address that question. Letters from international letter writers are encouraged where appropriate. Letters from Associate Professors may be appropriate in some cases, but the rationale for including a letter from an Associate Professor should be clear. All letters should be from individuals with an ‘arm’s length’ relationship with the candidate – i.e., letters should not be solicited from anyone who would have a conflict of interest with the candidate as defined in the bulleted list in item 9 below. In addition, except under special circumstances (which should be justified), letters should not be solicited from co-authors, grant collaborators, and/or other individuals who have or have had a collaborative relationship with the candidate.

6. SPLIT APPOINTMENTS. The candidate’s majority department (majority budgeted appointment) Primary Committee reviews and votes on promotion. The comments on the Form 36 are prepared by the Head of the majority department. The promotion document should be reviewed and discussed by the Primary Committee from the minority department but no formal vote should be taken. The feedback from the minority department Primary Committee should be provided in a letter from the minority Department Head to the majority Department Head. This letter should be included in the promotion document with the other support letters. The majority Department Head should present the case at the Area Committee meeting, after which time the Head from the minority department may add his/her comments, if the minority department is in the College of Agriculture.

7. INTERNATIONAL RECOGNITION. The globalization of science has blurred the distinction between national and international recognition. The Purdue College of Agriculture expects candidates for promotion to full professor to be internationally recognized. “International recognition” can be demonstrated in a variety of ways including: letters from well-known scholars outside the US (strongly encouraged), invited presentations at international meetings, publication in journals that draw on scholarship worldwide, co-authoring with colleagues outside the US, funded projects with international partners and documented international impact. International recognition does not mean “international involvement” or “international travel.” For many faculty, building international recognition will mean some international travel and involvement in activities outside the US. The key is not physically crossing international borders, but scholarship that knows no borders. A faculty member who rarely travels (perhaps because of physical limitations or family responsibilities) may be involved with active international scholarship via email, conference calls, video conferencing, hosting international visitors, etc.

8. ADDITIONS TO THE DOCUMENT. Only corrections and updates of scholarly contributions and grants awarded are permitted after the Primary Committee has met and voted on candidates. Letters which are included in the promotion document must be received prior to the vote of the Primary Committee on the document.

9. CONFLICTS OF INTEREST. Members of Primary and Area Committees must recuse themselves from deliberations and decisions regarding a candidate if there is a past or current relationship which compromises, or could have the appearance of compromising, a faculty member’s judgment with regard to the candidate. The following list, while not exhaustive, illustrates the types of relationships which constitute a conflict of interest:

- a marital, life partner, family or dating/romantic/sexual relationship
- an advising relationship (e.g. the faculty member having served as the candidate’s advisor as a graduate student or post doc)
- a direct financial interest and/or relationship
- any other relationship that would prevent a sound, unbiased decision.

Note that collaborative relationships such as serving as a co-author or Co-PI would not normally constitute a conflict of interest for purposes of Primary and Area Committee meetings. Conflicts of interest must be disclosed to the appropriate individual (Department Head or Dean). If there is any doubt as to whether or not a conflict of interest exists, the promotion committee member should discuss the situation with the appropriate Department Head or Dean. Members of promotion committees shall recuse themselves from discussions and decisions related to any candidate who presents a conflict of interest (this statement modified from Engineering Area Promotions Committee – Operating Policies and Procedures document.)

10. DISTRIBUTION OF COMMENTS AND VOTES FROM AREA COMMITTEE BALLOTS. Comments from the preliminary and final Area Committee ballots will be made available only to the Dean, Associate Deans, and the Head of any department where the candidate has a formal appointment. The preliminary vote on all candidates will be distributed to the full Area Committee. Final Area Committee votes for all candidates who have received a majority vote will be announced. The actual vote for any candidate that does not receive a majority vote will be distributed only to the Dean, Associate Deans and the Head of the candidate’s department (majority department if the candidate has a split appointment).

Agricultural Research at Purdue (ARP)

The Ag Research Office facilitates innovative science by providing support to departments and faculty in the College of Agriculture, College of Health and Human Sciences, and School of Veterinary Medicine. Ag Research works closely with Extension to transfer the research-based knowledge generated by Purdue faculty and staff to citizens in Indiana and around the world.

Strategic Themes

- People building a sustainable and secure food production system
- People utilizing molecular approaches to expand the frontiers of agriculture and life sciences
- People developing a robust bioeconomy to feed and power the world
- People enhancing food and health
- People strengthening ecological and environmental integrity in agricultural landscapes
- People facilitating informed decision making to improve economic and social well-being

Ag Research Role and Responsibilities

- Facilitate faculty success by creating opportunities for agriculture, food, life, and natural resource sciences
- Develop, plan and support laboratory, core research facilities and Purdue Ag centers across the state
- Support and facilitate multidisciplinary research
- Support faculty in the aggressive pursuit of extramural funds and in leadership development
- Develop and pursue research opportunities for faculty through state and federal funding agencies as well as corporate partners
- Develop effective linkages across campus, including Discovery Park, and with Cooperative Extension



CONTACT INFORMATION

KAREN PLAUT

Associate Dean and
Director of Ag Research
765-494-8362
kplaut@purdue.edu

WENDY MADORE

Administrative Assistant
765-494-8362
wmadore@purdue.edu

www.ag.purdue.edu/arp

Departmental Research Overviews

Note: YDAE overview forthcoming

Agricultural and Biological Engineering

www.engineering.purdue.edu/ABE

Research Overview

The Department of Agricultural and Biological Engineering (ABE) research focuses on the application of engineering principles to biological systems, resulting the creation of new products and practices that improve the quality of human life. Across the world, we need new energy sources, healthcare solutions, environmentally friendly technologies, and an end to terrorism. ABE research is advancing solutions to Grand Challenges such as food, energy, water, environment, and health.



Indrajeet Chaubey, professor and 2012 Ag Research Award Recipient, investigates ecohydrology, nonpoint source pollution, and watershed modeling. Photo provided by Tom Campbell.

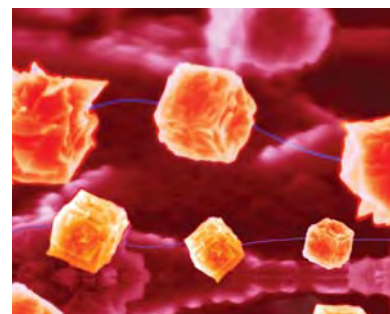
Research Areas

- Agricultural Safety and Health
- Bioenergy
- Biological Engineering
- Environmental and Natural Resources
- Fluid Power
- Food Process Engineering
- Food Safety
- Machine Systems

Agricultural and Biological Engineering (ABE) is currently ranked the number one undergraduate program by US News and World Report.

Research Centers

- LORRE - Integrative Center for Biotechnology & Engineering
- Maha Research Center - The Maha Fluid Power Research Center



Dr. Bernie Engel
Department Head
engelb@purdue.edu

225 South University Street
West Lafayette, IN 47907-2093
765.494.1162

Faculty by Research Area

Agricultural Safety and Health

William Field, field@purdue.edu

Gary Krutz, krutz@purdue.edu

Dirk Maier, maier@purdue.edu

Roger Tormoehlen, torm@purdue.edu

Bioenergy

Abigail Engelberth, aengelbe@purdue.edu

Larry Huggins, huggins@purdue.edu

Klein Ileleji, ileleji@purdue.edu

Michael Ladisch, ladisch@purdue.edu

Nathan Mosier, mosiern@purdue.edu

Patrick Murphy, ptmurphy@purdue.edu

Jiqin Ni, jiqin@purdue.edu

Miroslav Sedlak, sedlak@purdue.edu

Richard Stoshine, strosh@purdue.edu

Bernard Tao, tao@purdue.edu

Biological Engineering

Osvaldo Campanella, campa@purdue.edu

Abigail Engelberth, aengelbe@purdue.edu

Joseph Irudayaraj, josephi@purdue.edu

Michael Ladisch, ladisch@purdue.edu

Nathan Mosier, mosiern@purdue.edu

Ganesan Narsimhan, narsimha@purdue.edu

Martin Okos, okos@purdue.edu

D. Marshall Porterfield, porterf@purdue.edu

Jenna Rickus, rickus@purdue.edu

Miroslav Sedlak, sedlak@purdue.edu

Bernard Tao, tao@purdue.edu

David Umulis, dumulis@purdue.edu

Environmental and Natural Resources

Vincent Bralts, bralts@purdue.edu

Natalie Carroll, ncarroll@purdue.edu

Indrajeet Chaubey, ichaubey@purdue.edu

Keith Cherkauer, cherkaue@purdue.edu

Bernard Engel, engelb@purdue.edu

Dennis Flanagan, flanagan@purdue.edu

Jane Frankenberger, frankenb@purdue.edu

Albert Heber, heber@purdue.edu

Niaz Latif, nlatif@purdue.edu

Jiqin Ni, jiqin@purdue.edu

Elizabeth Pappas, bets@purdue.edu

Fluid Power

Dennis Buckmaster, dbuckmas@purdue.edu

Monika Ivantysynova, mivantys@purdue.edu

Gary Krutz, krutz@purdue.edu

John Lumkes, lumkes@purdue.edu

Andrea Vacca, avacca@purdue.edu

Food Process Engineering

Osvaldo Campanella, campa@purdue.edu

Carlos Corvalan, corvalac@purdue.edu

Klein Ileleji, ileleji@purdue.edu

Dirk Maier, maier@purdue.edu

Mark Morgan, mmorgan@purdue.edu

Ganesan Narsimhan, narsimha@purdue.edu

Martin Okos, okos@purdue.edu

Bernard Tao, tao@purdue.edu

Food Safety

Osvaldo Campanella, campa@purdue.edu

Michael Ladisch, ladisch@purdue.edu

Ganesan Narsimhan, narsimha@purdue.edu

Martin Okos, okos@purdue.edu

D. Marshall Porterfield, porterf@purdue.edu

Jenna Rickus, rickus@purdue.edu

Bernard Tao, tao@purdue.edu

Machine Systems

Dennis Buckmaster, dbuckmas@purdue.edu

Daniel Ess, ess@purdue.edu

Monika Ivantysynova, mivantys@purdue.edu

Gary Krutz, krutz@purdue.edu

John Lumkes, lumkes@purdue.edu

Patrick Murphy, ptmurphy@purdue.edu

Andrea Vacca, avacca@purdue.edu

Department of Agricultural Economics

www.ag.purdue.edu/agecon

Research Overview

The mission of the Department of Agricultural Economics is to acquire and transmit new economic knowledge to the citizens of Indiana, the nation, and the world to support more informed decisions.

Research Areas

- Agribusiness
- Prices and Markets
- Production/Farm Management
- Environmental/Energy/Resources
- International
- Small Business/Community Development
- Regional/Urban and Spatial

Research Centers

- Agricultural Innovation & Commercialization Center (AICC)
- Center for Food & Agricultural Business (CAB)
- Center for Commercial Agriculture (CCA)
- Center for Rural Development (CRD)
- Center For Global Trade Analysis (GTAP)
- Indiana Council for Economic Education (ICEE)
- Space, Health and Population Economics (SHaPE)
- State Utility Forecasting Group (SUFG)
- Site-Specific Management Center (SSMC)



Developing new, clean and sustainable energy sources is a top priority for many nations around the world. The challenge is that for any of these options to be effective, they have to be economical. This is the quest for energy economist Wally Tyner.



Roland G. Parrish Library of Management & Economics

"The Global Trade Analysis Project's (GTAP) network connects the department with over 9,000 policy analysts and researchers worldwide."

Ken Foster
Department Head
kfoster@purdue.edu

403 West State Street
West Lafayette, IN 47907-2056
765.494.4191

Agribusiness

Jay Akridge, akridge@purdue.edu
 Corinne Alexander, cealexan@purdue.edu
 Tim Baker, baker@purdue.edu
 Freddie Barnard, barnardf@purdue.edu
 Michael Boehlje, boehljem@purdue.edu
 Jennifer Dennis, jhdennis@purdue.edu
 Frank Dooley, dooleyf@purdue.edu
 Scott Downey, downeyws@purdue.edu
 Ken Foster, kfoster@purdue.edu
 Joan Fulton, fultonj@purdue.edu
 Brent Gloy, bgloy@purdue.edu
 Allan Gray, gray@purdue.edu
 Michael Gunderson, mgunders@purdue.edu
 Christopher Hurt, hurtc@purdue.edu
 Maria Marshall, mimarsha@purdue.edu
 Nicole Olynk, nolyнк@purdue.edu
 Steve Wu, sywu@purdue.edu
 Elizabeth Yeager, eayeager@purdue.edu

Prices and Markets

Corinne Alexander, cealexan@purdue.edu
 Joseph Balagtas, balagtas@purdue.edu
 James Binkley, jbinkley@purdue.edu
 James Eales, eales@purdue.edu
 Joan Fulton, fultonj@purdue.edu
 Chris Hurt, hurtc@purdue.edu
 James Mintert, jmintert@purdue.edu
 Jacob Ricker-Gilbert, jrickerг@purdue.edu
 Holly Wang, wanghong@purdue.edu
 Steve Wu, sywu@purdue.edu
 Elizabeth Yeager, eayeager@purdue.edu

Production/Farm Management

Tim Baker, baker@purdue.edu
 Freddie Barnard, barnardf@purdue.edu
 Michael Boehlje, boehljem@purdue.edu
 Craig Dobbins, cdobbins@purdue.edu
 Kenneth Foster, kfoster@purdue.edu
 Brent Gloy, bgloy@purdue.edu
 Gerald Harrison, harrisog@purdue.edu
 Roman Keeney, rkeeney@purdue.edu
 Michael Langemeier, mlangeme@purdue.edu
 John Lee, jlee1@purdue.edu
 Jess Lowenberg-DeBoer, lowenbj@purdue.edu

Production/Farm Management (continued)

Nicole Olynk, nolyнк@purdue.edu
 George Patrick, gpatrick@purdue.edu
 Paul Preckel, preckel@purdue.edu
 Jacob Ricker-Gilbert, jrickerг@purdue.edu
 John Sanders, jsander1@purdue.edu
 Juan Sesmero, jsesmero@purdue.edu
 Gerald Shively, shivelyg@purdue.edu
 Holly Wang, wanghong@purdue.edu
 Steven Wu, sywu@purdue.edu
 Elizabeth Yeager, eayeager@purdue.edu

Environmental/Energy/Reources

Michael Delgado, delgado2@purdue.edu
 Otto Doering, doering@purdue.edu
 Raymond Florax, rflorax@purdue.edu
 Benjamin Gramig, bgramig@purdue.edu
 Tom Hertel, hertel@purdue.edu
 John Lee, jlee1@purdue.edu
 Paul Preckel, preckel@purdue.edu
 Juan Sesmero, jsesmero@purdue.edu
 Gerald Shively, shivelyg@purdue.edu
 Farzad Taheripour, ftarzad@purdue.edu
 Wallace Tyner, wtyner@purdue.edu

International

Philip Abbott, abbottpc@purdue.edu
 James Binkley, jbinkley@purdue.edu
 Jennifer Dennis, jhdennis@purdue.edu
 Otto Doering, doering@purdue.edu
 Joan Fulton, fultonj@purdue.edu
 Thomas Hertel, hertel@purdue.edu
 Jess Lowenberg-DeBoer, lowenbej@purdue.edu
 Marshall Martin, marshallmartin@purdue.edu
 Maria Marshall, mimarsha@purdue.edu
 Kevin McNamara, mcnamara@purdue.edu
 Philip Paarlberg, paarlбep@purdue.edu
 Jacob Ricker-Gilbert, jrickerг@purdue.edu
 John Sanders, jsander1@purdue.edu
 Gerald Shively, shivelyg@purdue.edu
 Wallace Tyner, wtyner@purdue.edu
 Nelson Villoria, nvillori@purdue.edu
 Terrie Walmsley, twalmsie@purdue.edu
 Holly Wang, wanghong@purdue.edu

Small Business/Community Development

Janet Ayres, ayres@purdue.edu
 Larry DeBoer, ldeboer@purdue.edu
 Jennifer Dennis, jhdennis@purdue.edu
 Raymond Florax, rflorax@purdue.edu
 Joan Fulton, fultonj@purdue.edu
 Angela Gloy, agloy@purdue.edu
 Maria Marshall, mimarsha@purdue.edu
 Kevin McNamara, mcnamara@purdue.edu
 Jacob Ricker-Gilbert, jrickerг@purdue.edu
 Brigitte Waldorf, bwaldorf@purdue.edu
 Elizabeth Yeager, eayeager@purdue.edu

Regional/Urban and Spatial

Janet Ayres, ayres@purdue.edu
 Larry DeBoer, ldeboer@purdue.edu
 Raymond Florax, rflorax@purdue.edu
 Kevin McNamara, mcnamara@purdue.edu
 Brigitte Waldorf, bwaldorf@purdue.edu

Please refer to our website at www.ag.purdue.edu/agecon to view faculty biographies.

P U R D U E A G R I C U L T U R E

Department of Agronomy



Research Overview

The Agronomy Department conducts high impact fundamental and applied research at multiple scales to ensure that our science addresses immediate problems and anticipates future challenges.

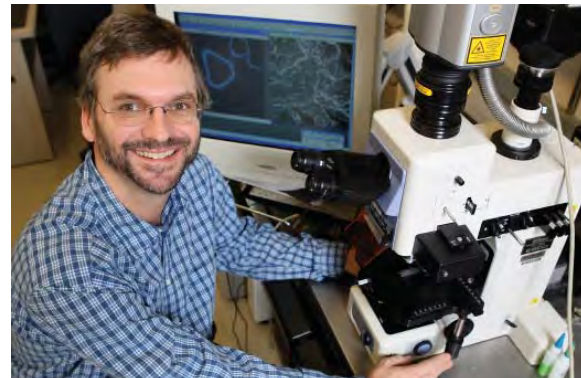
Research Areas

Cropping Systems and Plant Nutrition

Cropping systems are at the heart of agriculture. Faculty and students create and develop management systems that enhance crop production and economic efficiency related to crop, soil, and surroundings for the agriculture producer.

Environmental Soils and Landscape Processes

Research and education in this area focus on processes and development of measures to control soil erosion and contamination of soil and water from organic and inorganic sources. Studies occur at scales that range from the atomic to study molecular bonding to the atmosphere using remote sensing to study entire landscapes.



Dan Szymanski studies in-cell processes essential for plant growth using intricate genetic and cellular tools.

Genetic Improvement of Economic Crops

Graduate research and education in Genetic Improvement of Economic Crops within the Agronomy Department at Purdue uses both basic and applied science to discover and study genes that affect the growth of plants, increase crop yields, improve human nutrition, and provide new uses for plants such as biofuels and substitutes for plastics.

Turf and the Urban Interface

Research and education in this area at Purdue is concentrated in two areas: 1) the science of residential and recreational turfgrass management, and 2) the environmental control of septic systems.

www.ag.purdue.edu/agry



Joe Anderson
Department Head
janderson@purdue.edu

915 W. State Street
West Lafayette, IN 47907
765.494.4773

Researchers by Area

Cropping Systems and Plant Nutrition

Damian Allen (Adjunct), allendj@purdue.edu
 Sylvie Brouder, sbrouder@purdue.edu
 James Camberato, jcambera@purdue.edu
 Shaun Casteel, scasteel@purdue.edu
 Phil DeVillez, pld@purdue.edu
 Bruce Erickson (Adjunct), berickson@sciencesocieties.org
 Corey Gerber, gerberc@purdue.edu
 Richard Grant, rgrant@purdue.edu
 Keith Johnson, johnsonk@purdue.edu
 Scott Murrell (Adjunct), smurrell@purdue.edu
 Robert Nielsen, rnielsen@purdue.edu
 Lee Schweitzer, lschweitzer@purdue.edu
 Lori Snyder, ljsnyder@purdue.edu
 Tony Vyn, tvyn@purdue.edu

Environmental Soils and Landscape Processes

Laura Bowling, bowling@purdue.edu
 Melba Crawford, mcrawford@purdue.edu
 John Graveel, jgraveel@purdue.edu
 Javier Gonzalez (Adjunct), javier.gonzalez@ars.usda.gov
 Gary Heathman (Adjunct), gheathman@purdue.edu
 Chi-Hua Huang (Adjunct), chihua@purdue.edu
 Brad Joern, bjoern@purdue.edu
 Cliff Johnston, clays@purdue.edu
 Eileen Kladvko, kladvko@purdue.edu
 Linda Lee, lslee@purdue.edu
 Cindy Nakatsu, cnakatsu@purdue.edu
 Dev Niyogi, climate@purdue.edu
 Phillip Owens, prowens@purdue.edu
 P. Suresh Rao, pscr@purdue.edu
 Darrell Schulze, dschulze@purdue.edu
 Douglas Smith (Adjunct), drsmith@purdue.edu
 Gary Steinhardt, gsteinhardt@purdue.edu
 Diane Stott, (Adjunct) destott@purdue.edu
 Ron Turco, rturco@purdue.edu
 George Van Scoyoc, gev@purdue.edu
 Qianlai Zhuang, qzhuang@purdue.edu



Research conducted by Dev Niyogi indicates the most significant impact of climate change will be drought rather than just global warming. Niyogi is the state climatologist for Indiana and an professor of agronomy and earth and atmospheric sciences. (Purdue Agricultural Communication photo/Tom Campbell)

Genetic Improvement of Economic Crops

Joseph Anderson, janderson@purdue.edu
 Emily Dierking (Adjunct), dierking@indianacrop.org
 Rebecca Doerge, doerge@purdue.edu
 Gebisa Ejeta, gejeta@purdue.edu
 G. Andrea Gordillo (Adjunct), ggordill@purdue.edu
 Karen Hudson (Adjunct), kkaczoro@purdue.edu
 Scott Jackson (Adjunct), sjackson@uga.edu
 Jianxin Ma, maj@purdue.edu
 Jafar Mammadov (Adjunct), jammadov@dow.com
 Herbert Ohm, hohm@purdue.edu
 Katy Martin Rainey, krainey@purdue.edu
 Kelly Robbins (Adjunct), krobbs@purdue.edu
 Torbert Rocheford, torbert@purdue.edu
 Steven Scofield, scofield@purdue.edu
 Daniel Szymanski, dszyman@purdue.edu
 Mitch Tuinstra, mtuinstra@purdue.edu
 Jeffrey Volenec, jvolenec@purdue.edu
 Cliff Weil, cweil@purdue.edu

Turf and the Urban Interface

Cale Bigelow, cbigelow@purdue.edu
 Yiwei Jiang, yjiang@purdue.edu
 Aaron Patton, ajpatton@purdue.edu

P U R D U E A G R I C U L T U R E

Department of Animal Sciences



Research Overview

Animal Sciences facilitates scientific research and technology transfer for efficient and sustainable production of high quality animal products with optimal animal well-being, enhancement of the human diet, and advancement of sound environmental practices.

Our faculty have expertise in the disciplines of growth and development, nutrition, breeding and genetics, physiology, management, and animal well-being and behavior.



Gene Regulation, Stem Cell & Developmental Biology

- Epigenetics
- Transgenic Biology
- Comparative Animal Health & Disease

Research Areas

Animal Production & Management Systems

- Nutrient Utilization
- Environmental Management
- Efficient Profitable Production
- Food Animal Product Quality
- Animal Health and Well-Being
- Physiological Indicators of Well-Being
- Stress Response Assessment
- Impact Factors of Behavior
- Facility Design

Molecular Animal Physiology & Metabolism

- Nutrient Utilization & Partitioning
- Digestive Physiology & Absorption
- Obesity/Diabetes
- Tissue Growth Regulation

Food Quality & Food Safety

- Pre-harvest Intervention Strategies
- Pathogen Transmission & Ecology
- Stress and Immunology
- Enhance Nutrient Profile

www.ag.purdue.edu/ansc



Alan Mathew
Department Head
agmathew@purdue.edu

915 W. State Street
West Lafayette, IN 47907
765.494.4806

Adeola, Olayiwola
ladeola@purdue.edu
Nutrition (non-ruminant)

Ajuwon, Kolapo
kajuwon@purdue.edu
Cell and Molecular Biology, Endocrinology,
Growth and Development

Allrich, Rodney D
rallrich@purdue.edu
Endocrinology, Reproduction Physiology

Applegate, Todd J
applegt@purdue.edu
Management and Waste Management, Nutri-
tional Physiology and Poultry Management

Bidwell, Christopher A
cbidwell@purdue.edu
Aquaculture, Cell and Molecular Biology,
Endocrinology, Genetics, Growth and Develop-
ment, Reproductive Physiology

Cabot, Ryan A
rcabot@purdue.edu
Cell and Molecular Biology, Growth and
Development, Reproductive Physiology

Casey, Theresa M
theresa-casey@purdue.edu
Endocrinology, Cell and Molecular Biology

Cheng, Heng-wei
Heng-Wei.Cheng@ars.usda.gov
Animal Behavior and Well-Being, Cell and
Molecular Biology, Endocrinology

Collodi, Paul
pcollodi@purdue.edu
Aquaculture, Cell and Molecular Biology,
Endocrinology, Growth and Development

Croney, Candace C
ccroney@purdue.edu
Animal Behavior and Well-Being

Diekman, Mark A
mdiekman@purdue.edu
Endocrinology, Reproductive Physiology

Donkin, Shawn S
sdonkin@purdue.edu
Cell and Molecular Biology, Endocrinology,
Growth and Development, Nutrition (ruminant)

Ebner, Paul D
pebner@purdue.edu
Microbiology, Microbiology, Pre-harvest Food
Safety

Eicher, Susan D
Susan.Eicher@ars.usda.gov
Animal Behavior and Well-Being

Forsyth, Dale M
dforsyth@purdue.edu
Nutrition (non-ruminant)

Hester, Patricia Y
phester@purdue.edu
Animal Behavior and Well-Being, Growth and
Development, Management

Kuang, Shihuan
skuang@purdue.edu
Cell and Molecular Biology

Lay, Donald C Jr
Don.Lay@ars.usda.gov
Animal Behavior and Well-Being

Lemenager, Ronald P
rpl@purdue.edu
Management, Nutrition

Lossie, Amy C.
alossie@purdue.edu
Cell and Molecular Biology, Genetics, Growth
and Development

Machaty, Zoltan
zmachaty@purdue.edu
Cell and Molecular Biology, Reproductive
Physiology

Makagon, Maja M
mmakagon@purdue.edu
Animal Behavior and Well-Being

Marchant-Forde, Jeremy N
jeremy.marchant-forde@ars.usda.gov
Animal Behavior and Well-Being

Mathew, Alan G
agmathew@purdue.edu
Intestinal Microbiology, Pre-Harvest Food Safety

Mills, Scott E
smills@purdue.edu
Cell and Molecular Biology, Endocrinology,
Growth and Development, Nutrition (non-rumi-
nant)

Muir, William M
bmuir@purdue.edu
Animal Behavior, Aquaculture, Cell and
Molecular Biology, Genetics

Neary, Mike
mneary@purdue.edu
Management, Nutrition (non-ruminant-sheep)

Nennich, Tamilee D
tnennich@purdue.edu
Management (dairy), Nutrition (ruminant),
Waste Management

Patterson, John A
patters@purdue.edu
Microbiology, Nutrition (ruminant)

Plaut, Karen I
kplaut@purdue.edu
Endocrinology, Cell and Molecular Biology

Radcliffe, John Scott
jradclif@purdue.edu
Waste Management, Nutrition and Manage-
ment (swine)

Richert, Brian T
brichert@purdue.edu
Management (swine), Nutrition (swine)

Rostagno, Marcos H
marcos.rostagno@ars.usda.gov
Animal Behavior and Well-Being, Management
(Swine), Microbiology

Russell, Mark A.
mrussell@purdue.edu
Management (horses)

Schinckel, Allan P
aschinck@purdue.edu
Genetics, Management (swine)

Schoonmaker, Jon
jschoonm@purdue.edu
Management (beef), Nutrition (ruminant),
Growth and Development

Schutz, Michael M - mschutz@purdue.edu
Management (dairy), Genetics

Stewart, Terry S - tstewart@purdue.edu
Genetics, Systems Modeling

Waddell, Jolena N - jnwaddell@purdue.edu
Meat Science, Muscle Biology, Growth and
Development

P U R D U E A G R I C U L T U R E

Department of Biochemistry



www.ag.purdue.edu/biochem

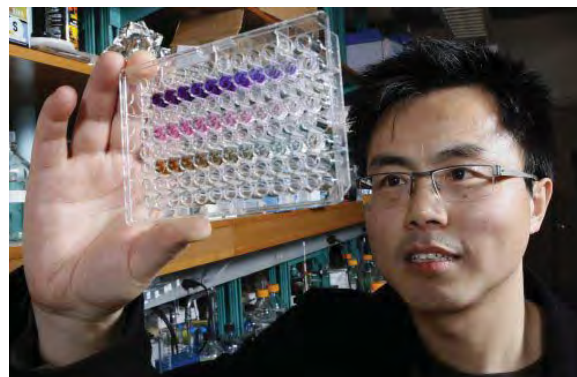
Research Overview

The Department of Biochemistry is committed to basic research and training undergraduate, graduate, and professional students for careers in biochemistry, molecular biology, and related life sciences. Our faculty, graduate students, and staff are located in the Biochemistry Building with additional offices and laboratories in the Hansen Life Science Research Building and Whistler Agricultural Research Building.

The research programs of the department include both agricultural and biomedical biochemistry.

Research Areas

- Metabolism and Catalysis
- Signaling, Cancer and Cell Cycle
- Chromatin and Gene Regulation
- Nucleic Acids
- Proteomics
- Plant Biochemistry



W. Andy Tao is mapping the interactions between kinases and their protein targets in an effort to build drugs that better block the reactions that lead to cancer cell formation.

Affiliated Units

- Purdue Center for Cancer Research
- Discovery Park and the Bindley Bioscience Center
- IU School of Medicine-Lafayette
- Indiana State Chemist



Clint Chapple
Department Head
chapple@purdue.edu

175 South University Street
West Lafayette, IN 47907-2063
765.494.1600

Faculty and Research Areas

Scott Briggs, sdbriggs@purdue.edu
Role of histone methylation in gene expression and oncogenesis

Steve Broyles, broyles@purdue.edu
Transcriptional regulation in poxviruses

Clint Chapple, chapple@purdue.edu
Biochemistry and molecular biology of plant secondary metabolism

Harry Charbonneau, charb@purdue.edu
Mitotic Function and Regulation of the Cdc14 Protein Phosphatase

James Clemens, jclemens@purdue.edu
Molecular mechanisms of neuron connection specificity

James Forney, forney@purdue.edu
Regulation of differentiation in protozoa

Frederick Gimble, fgimble@purdue.edu
Protein-DNA interactions and protein engineering of homing endonucleases

Barbara Golden, barbgolden@purdue.edu
Structural basis for RNA function

Mark Hall, mchall@purdue.edu
Regulation of the cell cycle by ubiquitin-dependent proteolysis; protein mass spectrometry

T. Joseph Kappock, kappock@purdue.edu
Resistance strategies in acetic acid bacteria; enzyme mechanism

Ann Kirchmaier, kirchmaier@purdue.edu
Epigenetic processes that mediate heritable modifications to chromatin

Xiaoqi Liu, liu8@purdue.edu
Roles of Polo-like kinase 1 and its interacting proteins in cell proliferation and carcinogenesis



Joe Ogas, ogas@purdue.edu
Regulation of cell identity, signal transduction, chromatin remodeling

Sandra Rossie, rossie@purdue.edu
Signal transduction and protein Ser/Thr phosphatases

W. Andy Tao, watao@purdue.edu
Proteomics and biological mass spectrometry

Elizabeth Tran, ejtran@purdue.edu
The Mechanism of Messenger RNA Export

Vikki Weake, vweake@purdue.edu
Chromatin modifying complexes in *Drosophila* development as a model for neurodegenerative disease and cancer

H. Lee Weith, weith@purdue.edu
Biophysical chemistry of nucleic acids, computational biochemistry

Joint/Courtesy Appointment Faculty

Natalia Doudareva, doudarev@purdue.edu

Jian-Kang Zhu, zhu132@purdue.edu

P U R D U E A G R I C U L T U R E



Research Overview

The Department of Botany and Plant Pathology includes the disciplines of plant biology, plant pathology and weed science. Research in this department addresses both fundamental questions about the biology of plants and their pathogens as well as more applied problems focused on the management and control of weeds and plant diseases.

Research ranges from the study of molecular and cellular processes in plants and pathogens to projects conducted at the ecosystem level. Research is performed with model organisms, native plants and agricultural crops as well as the microbes that interact with these plants.

Research Programs

- Plant-pathogen interactions
- Genomics of plant pathogens
- Evolution of land plants
- Maize genetics
- Weed biology
- Integrated weed management
- Disease management
- Plant ecology



Tesfaye Mengiste and his collaborators in Austria and North Carolina identified the gene that helps plants recognize pathogens and also triggers a defense against disease. The gene and its defense mechanisms are similar to an immunity pathway found in people and in the laboratory research insect, the fruit fly.



www.ag.purdue.edu/btny

Peter B. Goldsbrough
Department Head
goldsbrough@purdue.edu

915 W. State Street
West Lafayette, IN 47907-2054
765.494.4614

Faculty by Research Area

Plant Biology

Jody Banks, banksj@purdue.edu
 Nicholas Carpita, carpita@purdue.edu
 Zhixiang Chen, zhixiang@purdue.edu
 Nancy Emery, nemery@purdue.edu
 Peter Goldsbrough, goldsbrough@purdue.edu
 Gurmukh Johal, gjohal@purdue.edu
 Tesfaye Mengiste, mengiste@purdue.edu
 Robert Pruitt, pruittr@purdue.edu
 Mary Alice Webb, webbm@purdue.edu
 Michael Zanis, mzanis@purdue.edu

Plant Pathology

Janna Beckerman, jbeckerm@purdue.edu
 Zhixiang Chen, zhixiang@purdue.edu
 Stephen Goodwin, sgoodwin@purdue.edu
 Terri Hughes, hughestj@purdue.edu
 Gurmukh Johal, gjohal@purdue.edu
 Richard Latin, rlatin@purdue.edu
 Tesfaye Mengiste, mengiste@purdue.edu
 Sue Loesch-Fries, loeschfr@purdue.edu
 Kiersten Wise, kawise@purdue.edu
 Charles Woloshuk, woloshuk@purdue.edu
 Jin-Rong Xu, jinrong@purdue.edu

Weed Science

Kevin Gibson, kgibson@purdue.edu
 Steve Hallett, halletts@purdue.edu
 William Johnson, wgj@purdue.edu



Jody Banks led the effort to sequence the genome of *Selaginella*, seen through a shade screen that allows it to be grown in greenhouses here. *Selaginella* is the first plant of its kind, a lycophyte, to have its genome sequenced. (Purdue Agricultural Communication photo/Tom Campbell)



Amanda Deering and Robert Pruitt found that foodborne pathogens can live inside plant tissues. (Purdue Agricultural Communication photo/Tom Campbell)

P U R D U E A G R I C U L T U R E

Department of Entomology

Research Overview

The Department of Entomology's research portfolio consists of basic science that builds on strengths in insect/plant interactions, and applied pest management research focused on stakeholder needs and priorities. We work on a range of insect and nematode problems using diverse tool-sets and varied disciplinary approaches.



Mike Scharf's work with termites has shown that the insects' digestive systems may help break down woody biomass for biofuel production. (Purdue Agricultural Communication photo/Tom Campbell)

Research Areas

- Arthropod Molecular Biology and Genomics
- Pest Management
- Host Plant Insect/Nematode Interactions
- Environmental and Evolutionary Entomology
- International Development and Cooperation
- Insect Science Education

Research Centers

- Center for Environmental and Regulatory Information Systems (CERIS)
 - National Pesticide Information Retrieval System (NPIRS)
 - National Agricultural Pest Information System (NAPIS)
 - National Plant Diagnostic Network (NPDN)
- Center for Urban and Industrial Pest Management



www.ag.purdue.edu/entm

Steve Yaninek
Department Head
yaninek@purdue.edu

901 West State Street
West Lafayette, IN 47907-2089
765.494.4554

Signature Research Areas

- | | |
|---|--|
| I Host Plant Insect/Nematode Interactions | IV Environmental & Evolutionary Entomology |
| II Arthropod Molecular Biology & Genomics | V Insect Science Education |
| III International Cooperation & Development | VI Pest Management |

Baributsa, Dieudonne III, VI

International IPM
dbaribut@purdue.edu

Bennett, Gary V, VI

Urban and industrial pest management
bennett@purdue.edu

Bledsoe, Larry IV, VI

Indiana state survey coordinator, CAPS
lbledsoe@purdue.edu

Buczkowski, Grzegorz II, VI

Behavioral ecology and genetics of ants
gbuczkow@purdue.edu

Creighton, Curtis I, IV, V

Evolutionary ecology and eco-immunology
creight@purdue.edu

Dunn, Peter I, II

Insect physiology and biochemistry
pedunn@purdue.edu

Faghihi, Jamal I, VI

Applied nematology
jamal@purdue.edu

Ferris, Virginia I, II, IV, VI

Nematology and molecular systematics
vferris@purdue.edu

Foster, Ricky III, VI

Vegetable and fruit crop insect pest management
rfoster@purdue.edu

Gibb, Timothy V, VI

Insect diagnostician, turf pest management
gibb@purdue.edu

Ginzel, Matthew I, IV

Forest entomology & chemical ecology
mginzel@purdue.edu

Hill, Catherine II, VI

Genetics and genomics of arthropod vectors
hillca@purdue.edu

Holland, Jeffrey IV

Landscape ecology and insect biodiversity
jdhollan@purdue.edu

Hunt, Greg II, III

Honeybee behavioral genetics
ghunt@purdue.edu

Kaplan, Ian I, IV, VI

Ecology of herbivores and natural enemies
ikaplan@purdue.edu

Krupke, Christian I, VI

Field crop pest management
ckrupke@purdue.edu

Luke, Eileen VI

Director, CERIS
eluke@ceris.purdue.edu

Mason, Linda V, VI

Behavior, food pest IPM
lmason@purdue.edu

Murdock, Larry I, II, III

Biochemistry, biology of stored grain pests
murdockl@purdue.edu

Neal, Jonathan II, IV, V

Insect toxicology and physiology
jneal@purdue.edu

Obermeyer, John VI

Integrated pest management specialist
obe@purdue.edu

Oseto, Christian V

Instruction
osetoc@purdue.edu

Provonsa, Arwin IV, V

Museum curator
provonsa@purdue.edu

Richmond, Douglas I, III, IV, VI

Turfgrass entomology and applied ecology
drichmond@purdue.edu

Sadof, Clifford I, III, IV, VI

Ornamental pest management
csadof@purdue.edu

Scharf, Mike II, VI

O. Wayne Rollins/Orkin Endowed Chair
Molecular physiology & urban entomology
mscharf@purdue.edu

Schemerhorn, Brandi I, II

Population genetics
bschemer@purdue.edu

Shepson, Melissa V

Educational Outreach Coordinator
mshepson@purdue.edu

Shukle, Richard I, II

Functional genomics
shukle@purdue.edu

Stuart, Jeffrey I, II, III

Insect molecular genetics and genomics
stuartjj@purdue.edu

Turpin, Tom V

Instruction, science education outreach
turpin@purdue.edu

Williams, Christie I, II

Genetic basis of resistance
cwilliams@purdue.edu

Yaninek, Steve III, IV

Invasion biology
yaninek@purdue.edu

Jennifer Zaspel IV

Insect Systematics
jzaspel@purdue.edu

P U R D U E A G R I C U L T U R E

Department of Food Science



www.ag.purdue.edu/foodsci

Research Overview

The Department of Food Science is committed to impacting the world food system and quality of life by educating and training students for careers in industry, government, and academia. Our mission is to expand and transfer knowledge for continuous improvement of the safety, quality, value, and security of the world's food supply through basic research and outreach programs.

The Department of Food Science has developed four key areas of expertise, each with several major thrusts.

Research Areas

Food Chemistry, Structure, and Function

Applies chemistry, biochemistry, and molecular and polymer sciences to the investigation of food composition, food structures, and the quality and functional properties of whole foods, food constituents, and food ingredients.

Foods for Health

Applies food science principles to the study of the food matrix as a critical delivery vehicle of consumer health benefits.



Kevin Keener developed a rapid egg cooling system that uses circulated carbon dioxide to create a thin layer of ice inside an egg's shell that cools the inside of an egg within minutes, strengthening proteins and increasing shelf life. (Purdue Agricultural Communication file photo/Keith Robinson)

Food Processing & Technology Development

Integrates engineering, chemistry, and microbiology through food processing unit operations to produce safe, high quality and value-added products.

Food Safety and Microbiology

Studies the reaction and inactivation of microorganisms in food and their environment. Develops novel detection methods for food and environmental pathogens.



Suzanne Nielsen
Department Head
nielsens@purdue.edu

745 Agriculture Mall Drive
West Lafayette, IN 47907
765.494.8256

Faculty by Research Area

Food Chemistry, Structure, and Function

Rengaswami Chandrasekaran, chandra@purdue.edu

Bruce R. Hamaker, hamkerb@purdue.edu

Srinivas Janaswamy, janaswam@purdue.edu

Owen Jones, joneso@purdue.edu

Andrea Liceaga, alicega@purdue.edu

Hui-Mei Lin, amylin@purdue.edu

Lisa J. Mauer, mauerl@purdue.edu

S. Suzanne Nielsen, nielsens@purdue.edu

Brad Reuhs, breuhs@purdue.edu

Yuan Yao, yao1@purdue.edu

Foods for Health

Mario G. Ferruzzi, mferruzz@purdue.edu

Bruce R. Hamaker, hamakerb@purdue.edu

Kee-Hong Kim, kim618@purdue.edu

Hui-Mei Lin, amylin@purdue.edu

Kevin M. Keener, kkeener@purdue.edu

Lisa J. Mauer, mauerl@purdue.edu

Mark T. Morgan, mmorgan@purdue.edu

Fernanda San Martin, fsanmartin@purdue.edu

Food Processing and Technology Development

Christian E. Butzke, cbutzke@purdue.edu

Carlos M. Corvalan, corvalac@purdue.edu

Kevin M. Keener, kkeener@purdue.edu

Lisa J. Mauer, mauerl@purdue.edu

Mark T. Morgan, mmorgan@purdue.edu

Fernanda San Martin, fsanmartin@purdue.edu

Food Safety and Microbiology

Bruce M. Applegate, applegab@purdue.edu

Arun K. Bhunia, bhunia@purdue.edu

Haley F. Oliver, hfoliver@purdue.edu



Kee-Hong Kim found that piceatannol, a compound found in red wine and several fruits, blocks immature fat cells from growing. (Purdue Agricultural Communication photo/Tom Campbell)



Arun Bhunia determined that listeria bacteria can pass between intestinal cells and triggers a mechanism that increases listeria's ability to enter the cells. (Purdue Agricultural Communication photo/Tom Campbell)

P U R D U E A G R I C U L T U R E

Forestry and Natural Resources

Research Overview

Forestry and Natural Resources maintains strong disciplinary research programs in forestry, fisheries, and wildlife, with an emphasis on quantitative and applied ecology. Additional expertise exists in molecular biology and applied geospatial science.

Research Areas

Partnering for Land Use Sustainability (PLUS)

A fresh approach is needed that places sustainability into a context of lifestyle choices, behavior characteristic of landowners and decision makers, and biological thresholds and carrying capacity limits occurring in ecosystems. PLUS is designed to inform current discussions on land use occurring in Indiana and elsewhere.

Natural Resources Genetics (NRG)

NRG is a focal area within which the theoretical and technological aspects of population genetics, conservation genetics, evolutionary genetics, quantitative genetics and genotoxicology are used to address applied questions in plant and animal ecology and evolution.



Jeff Dukes is studying the effects of a changing climate on plants and soils. (Purdue Agricultural Communication photo/Tom Campbell)

Sustaining Hardwood Ecosystems (SHE)

The goals of the SHE area are to determine the ecological and social impacts of long-term forest management on public and private lands.

Research Center

Hardwood Tree Improvement and Regeneration Center (HTIRC)



www.ag.purdue.edu/fnr

Robert K. "Rob" Swihart
Department Head
rswhart@purdue.edu

715 West State Street
West Lafayette, IN 47907-2061
765.494.3590

Faculty and Research Areas

Brown, Paul	Fisheries and Aquatic Sciences	pb@purdue.edu
Cassens, Daniel	Wood Products	dcassens@purdue.edu
Caudell, Joe	Wildlife Biology	jcaudell@purdue.edu
DeVault, Travis	Wildlife Ecology	travis.L.devault@aphis.usda.gov
DeWoody, J. Andrew	Genetics , Wildlife Biology	dewoody@purdue.edu
Dukes, Jeffrey	Invasion Biology, Climate Change Ecology	jsdukes@purdue.edu
Dunning, Jr., John B.	Wildlife Ecology	jdunning@purdue.edu
Eckelman, Carl Albert	Wood Products	eckelmac@purdue.edu
Fei, Songlin	Quantitative Analysis of Natural Resources	sfei@purdue.edu
Gazo, Rado	Wood Processing	gazo@purdue.edu
Ginzel, Matthew	Forest Entomology, Chemical Ecology	mginzel@purdue.edu
Goforth, Reuben	Aquatic Ecosystems	rgoforth@purdue.edu
Haviarova, Eva	Wood Products	ehaviar@purdue.edu
Höök, Tomas	Fisheries and Aquatic Sciences	thook@purdue.edu
Hoover, William	Natural Resource Social Science	billh@purdue.edu
Hoverman, Jason	Vertebrate Ecology, Disease Ecology	jhoverm@purdue.edu
Jacobs, Douglass	Forest Regeneration and Restoration	djacobs@purdue.edu
Jenkins, Michael	Forest Ecology	jenkinma@purdue.edu
Lowe, Zachary	Wildlife Management	lowez@purdue.edu
Meilan, Richard	Molecular Tree Physiology, Genetics	rmeilan@purdue.edu
Mills, Walter L.	Forestry, GIS	wmills@purdue.edu
Nichols, Krista	Genetics, Fish Biology	kmnichol@purdue.edu
Pijanowski, Bryan	Spatial Modeling, Land-Use Change, Soundscapes	bpijanow@purdue.edu
Pijut, Paula	Hardwood Tissue Culture	ppijut@purdue.edu
Pope, Phillip	Forest Biology	ppope@purdue.edu
Prokopy, Linda	Natural Resource Social Science	lprokopy@purdue.edu
Saunders, Michael	Silviculture	msaunder@purdue.edu
Sepúlveda, Maria	Ecotoxicology	mssepulv@purdue.edu
Shao, Guofan	Forestry, Remote-Sensing, GIS	shao@purdue.edu
Steele, Michael	Animal Behavior	msteele@purdue.edu
Swihart, Robert	Wildlife Ecology	rswihart@purdue.edu
Williams, Rod	Wildlife Science, Genetics	rodw@purdue.edu
Woeste, Keith	Tree Breeding, Genetics	woeste@purdue.edu
Zhang, Hao	Statistics, Spatial and Space-Time Analysis	zhanghao@purdue.edu
Zollner, Patrick	Wildlife Science	pzollner@purdue.edu

P U R D U E A G R I C U L T U R E

Horticulture & Landscape Architecture

Research Overview

Horticulture applies knowledge from various fields of science and biology to improve the production of intensively cultivated, high value crops including those used for food, medicine, ornamental purposes or energy production.

Combining knowledge from biochemistry, physiology, molecular biology, genetics and ecology with aspects of design and beauty, horticulture includes people with a broad range of interests.

Research Areas

- Floral scent and plant volatile biosynthesis
- Mineral nutrient utilization from cellular to global scales
- Hormone signalling and transport
- Regulation of plant architecture and reproduction
- Plant cell cycle regulation
- Water utilization and stress responses
- Sustainable biofuel production
- Enhancement of salt tolerance in crop plants
- Natural genetic variation
- Plant epigenetics
- Mechanisms of heterosis; hybridization and species breeding barriers
- Improvement of postharvest fruit quality
- Fruit breeding and specialty crop production
- Plant interactions with soil microbial communities



Brian Dilkes was part of a team that determined that plant physical defects can be predicted based on chromosome imbalances. (Purdue Agricultural Communication photo/Tom Campbell)



www.ag.purdue.edu/hla

Bob Joly
Department Head
joly@purdue.edu

625 Agriculture Mall Drive
West Lafayette, IN 47907-2010
765.494.1300

Horticulture Faculty and Research Areas

Bordelon, Bruce	Viticulture and Small Fruits	bordelon@purdue.edu
Bressan, Ray	Stress Physiology	bressan@purdue.edu
Dana, Mike	Native Species for the Landscape	dana@purdue.edu
Dennis, Jennifer H.	Specialty Crop Marketing	jhennis@purdue.edu
Dudareva, Natalia	Biochemistry & Molecular Biology of Aromatic Compounds	doudarev@purdue.edu
Handa, Avtar	Post Harvest and Molecular Biology	ahanda@purdue.edu
Hasegawa, Paul	Plant Cell and Tissue Culture, Stress Culture	phasegaw@purdue.edu
Hirst, Peter	Pomology	hirst@purdue.edu
Hoagland, Lori	Speciality Crop Production Systems	lhoaglan@purdue.edu
Janick, Jules	Plant Genetics and Breeding, New Crops	janick@purdue.edu
Joly, Robert J.	Plant Water Relations, Stress Physiology	joly@purdue.edu
Lopez, Roberto	Commercial Floriculture, Greenhouse Production, Sustainability	rglopez@purdue.edu
Mickelbart, Mike	Horticulture/Plant Physiology	mmickelb@purdue.edu
Mitchell, Cary	Controlled Environment Agriculture and Advanced Life Support Mechanical Stress	cmitchel@purdue.edu
Orvis, Kathryn	Horticulture/Youth Education	orvis@purdue.edu
Porterfield, D. Marshall	Biological Engineering	porterf@purdue.edu
Raghothama, K.G.	Molecular Biology of Plant Nutrition	kraghoth@purdue.edu
Rhodes, David	Plant Stress Physiology, N & S Metabolism	drhodes@purdue.edu
Schulz, Burkhard	Plant Biochemical and Molecular Genetics	bschulz@purdue.edu
Weller, Steve	Weed Science	weller@purdue.edu
Zhu, Jian-Kang	Plant Abiotic Stress, Gene Silencing	zhu132@purdue.edu

Landscape Architecture Faculty

Barbarash, David Michael	dbarbara@purdue.edu
Dahl, Bernie L F	bdahl@purdue.edu
Hildner, Ann E	ahildner@purdue.edu
Rotar, Sean Michael	srotar@purdue.edu
Schuetz, Kenneth A Jr	schuettk@purdue.edu
Siciliano, Paul C Jr	sicilian@purdue.edu
Sovinski, Robert W P	sovinski@purdue.edu

P U R D U E A G R I C U L T U R E

Graduate Programs and Postdoctoral Support

The College of Agriculture offers 11 graduate programs that are aligned with each of the academic units within the College. Several students participate in interdisciplinary graduate programs and many faculty are part of one or more of the 15 interdisciplinary graduate programs on campus.

Academic departments are responsible for the recruitment of students (with assistance from the Graduate School) and all applications are submitted online. The Graduate School oversees more than 70 graduate programs at the West Lafayette campus and nearly 30 programs at four additional campuses across the State of Indiana. Admission to the Graduate School is recommended by individual programs with administrative support from the Graduate School.

Usually the head of the graduate program is the head of a department or the director/chair of an interdisciplinary program and is responsible for supervision, governance, and maintenance of academic standards within their graduate program. Various levels of administrative authority may be delegated to graduate faculty members and for most cases, with a few exceptions within the College of Agriculture, this authority is delegated to the Chair of the Graduate Program within academic units.

Members of the Graduate Faculty are tenure-track faculty who have been nominated by the head of a graduate program and the respective dean of the college for appointment to the Graduate Faculty. Nominees for appointment to the Graduate Faculty must demonstrate ability to mentor and supervise graduate students. Nominees for graduate faculty status who do not have a record of experience as graduate student mentors must complete a Graduate School workshop on mentoring as part of the graduate faculty appointment process.

Requirements for satisfactory completion of graduate programs within the College of Agriculture are determined by requirements that outlined for each of the 11 individual graduate programs. Each program has specific curricular, student research advisory committee, and exam requirements and deadlines. These are published, updated, and available online.

The Office of Agriculture Research facilitates and coordinates graduate programs for the College of Agriculture, serves as a resource and advocate for students and faculty, and helps to guide best practices for administration of graduate programs for the College. We seek opportunities to enhance the graduate and postdoctoral experience in the College of Agriculture and enhance the related culture of learning, discovery and engagement.



CONTACT INFORMATION

SHAWN S. DONKIN
Associate Director for
Agriculture Research and
Graduate Education
(765) 496-3703
sdonkin@purdue.edu

WENDY MADORE
Administrative Assistant
(765) 494-8362
wmadore@purdue.edu

TABLE 1: GRADUATE ENROLLMENT

DEPARTMENT

Doctor of Philosophy	2009	2010	2011
Agricultural and Biological Engineering	54	59	58
Agricultural and Biological Engineering	59	58	64
Agricultural Economics	51	46	44
Agronomy	33	39	47
Animal Sciences	25	31	34
Biochemistry	27	28	38
Botany and Plant Pathology	19	16	24
Entomology	20	20	22
Food Science	14	12	18
Forestry and Natural Resources	47	45	50
Horticulture and Landscape Architecture	26	20	27
Youth Development and Agricultural Education	0	3	4
TOTAL	321	318	372

Masters	2009	2010	2011
Agricultural and Biological Engineering	27	31	34
Agricultural Economics	86	84	97
Agronomy	16	21	24
Animal Sciences	34	30	24
Biochemistry	0	2	0
Botany and Plant Pathology	16	20	15
Entomology	15	17	12
Food Science	5	8	17
Forestry and Natural Resources	32	31	34
Horticulture and Landscape Architecture	4	10	8
Youth Development and Agricultural Education	18	17	11
TOTAL	253	271	276

Graduate Students in Interdisciplinary Programs	2009	2010	2011
Agricultural and Biological Engineering	1	1	1
Agricultural and Biological Engineering	4	7	6
Agricultural Economics		1	
Agronomy	4	2	10
Animal Sciences		2	2
Biochemistry		1	3
Botany and Plant Pathology			1
Entomology			1
Food Science			
Forestry and Natural Resources	1	1	2
Horticulture and Landscape Architecture			6
Youth Development and Agricultural Education		4	
TOTAL	9	18	31

GRAND TOTAL	583	607	679
--------------------	------------	------------	------------

Compiled 7-10-12 - Shawn S. Donkin

Purdue Agricultural Centers (PACs)

www.agriculture.purdue.edu/PAC

Research Overview

Researchers from diverse agricultural disciplines use the eight regional Purdue Agricultural Centers (PACs) to test ideas that are created and developed on campus. The PACs offer tremendously diverse land and soil types as well as extensive resources for in field study and testing. These farms enable scientists to advance agricultural research in real-world conditions and to take risks that eventually might benefit producers in each area.

Indiana has more than 300 soil types and multiple microclimates. Each section of farmland reacts differently to fertilizers, cultural practices, pesticides, and tillage systems, just as each parcel of forest reacts differently to varying management practices. Purdue's PACs are located where they can do the most good.

Each PAC serves the practical agricultural needs of its part of the state. Most provide local weather data. Researchers, Extension educators, and other specialists at the PACs not only identify and solve production problems but also demonstrate the results of Purdue agricultural research. The PACs host meetings and events of special interest to producers, industry, and the general public. Especially popular are annual PAC-sponsored Field Days.



In 2011, scientists conducted 340 research projects on more than 40 different crops at the eight centers. Researchers are assisted by 29 PAC staff members across 11,000 acres.



Jerry Fankhauser
Director
fankhaus@purdue.edu

615 W. State Street
West Lafayette, IN 47907-2053
765.494.8368

The Davis-Purdue Agricultural Center (DPAC)

Researchers at DPAC study soil fertility, crop diseases, weed control, insect problems, site-specific agriculture, controlled drainage and drainage water analysis, old-growth timber stands/wildlife interactions, and variable-rate fertilizer applications in corn, soybeans, and winter wheat.

Feldun-Purdue Agricultural Center (FPAC)

Research at FPAC focuses on commercial beef cattle breeding and management. Scientists in the Department of Animal Sciences use most of the pasture for a cattle herd that is part of a long-range genetics study. Other research has included studies of growth, yield, and cutting alternatives for upland central hardwoods and grazing research. Agronomic field studies with row crops are limited, with roughly 60 acres of soybeans and 140 acres of corn

Northeast-Purdue Agricultural Center (NEPAC)

Agricultural research conducted at NEPAC transfers more readily to area farmers than that conducted on the flat black prairie soils of west central Indiana or the soils of other regional PACs. Farmers near NEPAC want to know how a particular practice or management system is going to work on their farm. Research therefore has focused on row-crop production. Current research includes projects related to fertility; insect, weed, and disease control; corn, soybean, and canola production trials; alfalfa and canola variety trials; and tillage systems.

Pinney-Purdue Agricultural Center (PPAC)

Research capitalizes on resources unique to this part of the state—a sandier soil and abundant water supply. Irrigation is prevalent among vegetable producers. Research at PPAC focuses on agronomic, vegetable, and specialty crops.

Southeast-Purdue Agricultural Center (SEPAC)

SEPAC hosts practical agronomic and forestry research concentrated in pest management, nutrient management, variety performance, precision farming, soil conservation, soil drainage, water quality, forest management, and wildlife management.

Southern Indiana-Purdue Ag Center (SIPAC)

SIPAC is a forage-based operation (i.e., no row crops). Current research focuses on beef cattle and meat goat management, livestock grazing trials, forage and crop production, forest management, and aquaculture.

Southwest-Purdue Agricultural Center (SWPAC)

Although SWPAC is the smallest farm in Purdue's regional farm system, it is one of the most active in research on fruits and vegetables— crops primarily grown in southwestern Indiana. Projects focus on increasing horticultural and agronomic crop yields and quality while decreasing input expenditures, including pesticides. Research includes row crop studies, weed and disease control in melons, growth and management of wine grapes, new specialty crop varieties, and organic vegetable production.

Throckmorton-Purdue Ag Center (TPAC)

TPAC is unique in its close proximity to campus. It is home to almost one-third of Purdue agricultural research projects, with current work involving 30 different crops. Research focuses on weed management, insect management, soil fertility, agronomic crop production, ornamentals, fruit and vegetable production, biological controls, systems engineering, hardwood production, woodland and habitat management, and resistance management of weeds and insects. New areas of interest include organic and high tunnel vegetable production.

The Eight Regional PACs

- Davis Purdue Agricultural Center (DPAC)
- Feldun-Purdue Agricultural Center (FPAC)
- Northeast-Purdue Agricultural Center (NEPAC)
- Pinney-Purdue Agricultural Center (PPAC)
- Southeast-Purdue Agricultural Center (SEPAC)
- Southern Indiana Purdue Agricultural Center (SIPAC)
- Southwest-Purdue Agricultural Center (SWPAC)
- Throckmorton-Purdue Agricultural Center (TPAC)

P U R D U E A G R I C U L T U R E

Departmental Purdue Agricultural Centers

JIM BEATY

ACRE

jbeaty@purdue.edu

Agronomy Center for Research and Education (ACRE)

Agronomy Center for Research and Education (ACRE) - 991 acre farm facility appropriate for plant breeding and genetics, crop production and soil tillage management, plant physiology, soil fertility, weed control, disease and insect resistance and control, and crop variety performance evaluation. Includes the Crop Protect Lab for fertilizer and ag chemical storage and handling research.

CRAIG WILLIAMS

ASREC

williams@purdue.edu

Animal Sciences Research and Education Center (ASREC)

Animal Sciences Research and Education Center (ASREC) - facilities for research and education in various animal production systems, including aquaculture, beef, dairy, poultry, sheep, and swine. A feed mill which formulates food for Purdue research livestock is also located on the SDRC.

Centers and Institutes

Centers, labs, institutes, and programs within Purdue Agriculture have been developed to fill a particular need. Each brings research faculty and diverse partners together to work in a common area of interest.

Agricultural Innovation and Commercialization Center (AICC)

Helps producers and producer groups assess and move products or processes from initial idea to value-added enterprise. These products or processes result from technological discoveries, producer ideas, or consumer-needs identification.

Center for Commercial Agriculture

Focuses on the economic and management issues facing today's commercial farms through applied research, management education programs, and enhancement of undergraduate education.

Center for Community and Environmental Design

Helps Indiana communities develop physical design concepts, ideas, and recommendations through entrepreneurial collaboration among students, community representatives, and professional consultants.

Center for the Environment (C4E)

Facilitates interdisciplinary activities that enhance environmental integrity with enlightened stewardship and innovative monitoring, modeling, and management of natural resources for expanded economic development and improved quality of life.

Center for Environmental and Regulatory Information Systems (CERIS)

Develops, manages, and operates computer-based information systems and databases in subject matter areas relating to environmental concerns and regulatory programs affecting the management or practice of agriculture.

Center for Food and Agricultural Business (CFAB)

Offers nondegree professional development programs for employees of agricultural businesses, and carries out research and Extension programs on problems of agricultural businesses.

ag.purdue.edu/arp/Pages/centers_institutes.aspx

Center for Food Safety Engineering

A joint effort between Purdue Agriculture and the USDA Agricultural Research Service to develop new knowledge, technologies, and systems to prevent chemical and microbial contamination of foods.

Center for Global Trade Analysis

The publicly funded, university-based home for GTAP (Global Trade Analysis Project), a global network of researchers and policymakers conducting quantitative analysis of international policy issues. Its purpose is to improve the quality of global economy-wide analysis through education and by developing analytical databases, economic models, and innovative methodologies.

Center for Integrated Food Manufacturing

An interdisciplinary team that conducts fundamental and applied research leading to improved food manufacturing through process engineering and advanced technology. Provides educational workshops on processing and technology tailored to the food industry.

Center for Rural Development

Brings together university resources to assist the public and private sector as they work toward solving rural community problems. Provides a broad range of educational programs that contribute to development of Indiana's human and physical capital.

Center for Urban & Industrial Pest Management

Further understanding of urban pest problems and promotes their solutions through research and educational programs.

Crop Diagnostics Research & Training Center

Provides opportunities for hands-on learning of the art and science of crop problem diagnosis, integrated pest management, and reduced input agriculture.

Food Processing Environmental Assistance Center

Provides environmental information, resources, and training to help small and medium-sized food processors in achieve environmental compliance and stewardship.

ag.purdue.edu/arp/Pages/centers_institutes.aspx

Hardwood Tree Improvement & Regeneration Center

A collaborative regional research, development, and technology transfer effort between industry, university, private, state, and federal entities to advance tree improvement of central hardwoods for increased forest productivity in hardwood restoration and reforestation programs.

Illinois-Indiana Sea Grant Program

Fosters the creation and stewardship of an enhanced and sustainable environment and economy along southern Lake Michigan and in the Great Lakes region through research, education, and outreach.

Indiana Center for New Crops & Plant Products

Identifies, adapts, and commercializes new crops for Indiana growers and processors; creates new plant-based industries based on new crop products; and serves as a source of information for new crops.

Indiana Water Resources Research Center (IWRRC)

Coordinates the resources of Indiana's universities, state agencies, and industries to resolve problems associated with water resources management, use, and preservation of quality.

Laboratory for Applications of Remote Sensing

A multidisciplinary research laboratory internationally known for research efforts relating to remote sensing and geographic information systems.

Purdue Climate Change Research Center

Focuses on climate change, its impacts, and mitigation from a multidisciplinary perspective. Encourages the application of evidence-based knowledge to address fundamental questions related to the Earth's changing climate system.

Purdue Interdisciplinary Center for Ecological Sustainability

Addresses issues of ecological sustainability in human-dominated landscapes by integrating the processes of discovery, learning, and engagement across disciplinary boundaries. The primary research focus is on the conservation, management, and sustainability of natural resources in human-dominated landscapes.

ag.purdue.edu/arp/Pages/centers_institutes.aspx

Turfgrass Research and Diagnostic Center / Turfgrass Science Program

The clearinghouse for turfgrass research, education, and Extension activities conducted on campus to meet the educational and research needs of the turfgrass industry in Indiana.

Turfgrass Research and Diagnostic Center / Turfgrass Science Program

The clearinghouse for turfgrass research, education, and Extension activities conducted on campus to meet the educational and research needs of the turfgrass industry in Indiana.

Research Facilities

Agricultural & Biological Engineering Computing Facilities

GIS, CAE, mathematical modeling and simulation development.

Animal Disease Diagnostic Laboratory

Diagnostic services to veterinary practitioners, animal producers, companion animal owners, wildlife conservationists, animal researchers, and state and federal regulatory officials. Contact: addl@purdue.edu or (765) 494-7440.

Campuswide Mass Spectrometry Facility

Mass spectrometry services and a matrix-assisted laser desorption ionization instrument for peptide and protein analysis. Contact: Karl Wood, CHEM.

Cancer Center Facilities

Services to Cancer Center members and non-members in nuclear magnetic resonance, mass spectrometry, analytical cytology, DNA analysis, and drug development. Contact: (765) 494-9129.

Computational Genomics Facility

Centralized service for the database needs of the Purdue genomics community. Contact: Rebecca Doerge, STAT/AGRY.

ag.purdue.edu/arp/Pages/centers_institutes.aspx

Constructed Wetlands

Monitored for studies on: treatment of agricultural runoff from land on and adjacent to the Animal Sciences Research & Education Center; and golf course and urban runoff on the Kampen Golf Course. Animal waste wetland contact: George Parker, FNR gparker@purdue.edu. Kampen Golf Course wetland contact: Zac Reicher, AGRY.

Crop Diagnostic Training and Research Center

Outdoor training laboratories for small-plot demonstrations of crop problems through which agriculturists improve their troubleshooting skills, and evaluate new and alternative management strategies. Contact: Cory Gerber, AGRY.

Food Science Pilot Laboratory

Model manufacturing area for companies to evaluate how a process works before committing to full production. Contact: Steve Smith, FS.

Genomics Core Facility

High throughput sequencing, low throughput sequencing, Affymetrix arrays and informatics to support genomics research. Contact: Phillip San Miguel, HLA.

Life Science Microscopy Facility

Electron microscopy instrumentation and support services, with capabilities for light microscopy, transmission electron microscopy, scanning electron microscopy, and computer-based image analysis. Contact: Debby Sherman, HLA or Chris Gilpin, HLA (after October 1).

Life Science Fluorescence Imaging Facility

Gives Purdue researchers access to the highest-quality imaging technology at reasonable cost. A joint effort of the Colleges of Agriculture, Consumer and Family Science, Engineering, and Science and the School of Veterinary Medicine. Contact: Wendy Peer.

Plant Growth Facilities

Computer-controlled greenhouse zones, growth chambers, walk-in refrigeration units, controlled-environment rooms, potting area and laboratories for research and teaching. Contact: Rob Eddy, HLA.

Plant & Pest Diagnostic Laboratory

Identification of insects, plants and plant diseases or diagnosis of plant and pest problems and control recommendations, for research faculty and staff, Extension specialists and county educators, and private businesses and Indiana

ag.purdue.edu/arp/Pages/centers_institutes.aspx

Plant & Pest Diagnostic Laboratory

Identification of insects, plants and plant diseases or diagnosis of plant and pest problems and control recommendations, for research faculty and staff, Extension specialists and county educators, and private businesses and Indiana citizens. Contact: Gail Ruhl, BTNY.

Post-Harvest Education & Research Center

Fully functional grain handling center and pilot bin facility that benefits crop and food producers, handlers and processors, and their allied manufacturing and service industries in Indiana and the Midwest, with research on grain quality, stored product protection, and related areas. Contact: Dirk E. Maier, ABE.

Purdue Agricultural Air Quality Laboratory

Odor, gas, and dust emissions studies for industry, government, agribusiness, and communities—olfactometry, chemical analyses using gas chromatography, and continuous emissions monitoring of ammonia, hydrogen sulfide, carbon dioxide, and others. Contact: Al Heber, ABE.

Purdue Agricultural Centers

A network of farms across Indiana used for research and Extension activities requiring field facilities. Contact: Jerry Fankhauser, AGAD.

Sensory Evaluation Laboratory

Sensory analysis through food tasting in a controlled environment to help industry partners with studies, data collection, and statistical analysis that support research and development, sales, marketing and manufacturing. Contact: Steve Smith, FS.

Transgenic Mouse Core Facility

A centralized resource for the production of transgenic and gene-targeted mice for Purdue investigators. Contact: Judy Hallett, BIOL, (765) 496-3352.

Water Quality Field Station

Individually tiled and instrumented field plots structured for studies on movement of agricultural chemicals under various management practices and cropping systems. Purdue and USDA researchers evaluate alternative management practices environmental, agronomic, and economic effectiveness. Contact: Sylvie Brouder, AGRY.

A list of other multidisciplinary research facilities available at Purdue can be found at <http://www.purdue.edu/research/vpr/partners/recharge.html>.

www.purdue.edu/research/vpr/partners/recharge.html

Faculty/Staff Accomplishments and Impact Reporting (FAIR)

Faculty/Staff Accomplishments and Impact Reporting (FAIR) is a system for Purdue Faculty and Staff to record and report publications, awards/honors, patents, plans of work, and impact statements. College of Agriculture faculty and staff will also be able to select and order what information will display on their profile pages.

Your recorded information in FAIR will be used in reports for the College of Agriculture and Purdue University, as well as reports to the federal government to justify use of federal funding.



CONTACT INFORMATION

DAWN PARKS

Assistant Director of
Sponsored Programs

765-496-7550
dwparks@purdue.edu

Reporting Areas and Deadlines

Within the FAIR system, on-campus faculty/staff will be asked to provide the information listed below. (Note that some reporting time periods are based on the calendar year and others are based on the federal funding calendar).

- a) Scholarly publications (from January 1 – December 31)
- b) Awards and Honors (from January 1 – December 31)
- c) Plan of Work (POW) reporting (from October 1 – September 30)
- d) Impact Statements (from October 1 – September 30)

All faculty and staff in the College of Agriculture, the College of Health and Human Sciences and the School of Veterinary Medicine, that are supported on Federal dollars (Hatch, Smith-Lever, Animal Health, and McIntyre-Stennis) are expected to report their accomplishments using this new reporting system.

Reports must be submitted using the FAIR website by January 8

<https://www.agriculture.purdue.edu/fair>

FAIR Overview For an overview of the FAIR system, please go to:

https://www.agriculture.purdue.edu/fair/docs/help/d2_4_7_fair_overview.pdf

Land Grant Based Programs

The Hatch Act of 1887

"It shall be the object and duty of the State Agricultural Experiment Stations to conduct original research, investigations and experiments bearing directly on and contributing to the establishment and maintenance of a permanent and effective agricultural industry in the United States"

The Hatch Act established funding for Agricultural Experiment Stations for the purpose of supporting research in the agricultural, food, nutrition, and related fields at the nation's Land Grant colleges and universities that had been established by the Morrill Act of 1862. The majority of federal base funding for Experiment Stations are referred to as Hatch funds. Purdue's Agricultural Research Office also receives Animal Health and McIntire-Stennis (forestry) base funding.

More information on the Hatch Act:

<http://www.csrees.usda.gov/business/awards/formula/hatch.html>

Information about all legislated base funding for research and Extension activities:

<http://www.csrees.usda.gov/business/awards/formula.html>

Guidelines for Preparing a Hatch, Animal Health, or McIntire-Stennis Research Project

Hatch, Animal Health, and McIntire-Stennis research projects document our accountability and commitment to a partnership with other land grant universities, USDA – NIFA and the state of Indiana. They also help us develop 5- year strategic research plans. These funds support faculty salaries, start-up packages, multi-state research, and internal competitive grants such as Food and Agricultural Assistantships.

AGRICULTURAL RESEARCH PROGRAMS PROJECTS MUST BE DEVELOPED BY ALL FACULTY WITH 20% OR MORE TIME BUDGETED TO RESEARCH. A researcher may have a single-PI Hatch research project which encompasses the breadth of his/her research program. However, when



CONTACT INFORMATION

MARSHALL MARTIN

Sr. Associate Director
Assistant Dean

Mission Programs and
Stakeholder Relations

765-494-8365

marshallmartin@purdue.edu

MARISSA PAVA

Administrative Assistant

765-494-48370

mpava@purdue.edu

appropriate, a research team of several faculty is encouraged to submit a joint Hatch project. Projects are written to cover anticipated research activities for a five-year period. (Note: new assistant professors, with Department Head approval, may request an initial one- or two-year Hatch Project. In this case no Review Panel is required, but the Hatch Project must still be approved by the Agricultural Research Office at Purdue).

RESEARCHERS SHOULD DEFINE A PROBLEM AREA IN A CLEAR AND CONCISE MANNER. Some researchers may work on a relatively specific problem and, thus complete the project in less than five years. Upon the completion of the research or when shifting to a new research area, it is important to write a new project. Also, when a research program changes to the point that it is no longer covered by the project document, a new project document should be submitted. However, in most cases faculty will write a revised project every five years.

PROJECTS REPRESENT A UNIQUE WINDOW TO RESEARCH IN AGRICULTURE, FOOD AND NATURAL RESOURCES AT PURDUE UNIVERSITY. It is important that we tell a complete story of our research endeavors and accomplishments.

PROJECT DESCRIPTIONS AND REPORTS BECOME A PART OF A NATIONAL (IN FACT, INTERNATIONAL) INFORMATION RESOURCE VIA THE CURRENT RESEARCH INFORMATION SYSTEM (CRIS). CRIS is the U.S. Department of Agriculture's (USDA) documentation and reporting system for ongoing and recently completed research projects in food, agriculture, and natural resources.

Projects are conducted or sponsored by USDA research agencies, state agricultural experiment stations, the state land-grant university system, other cooperating state institutions, and participants in USDA's National Research Initiative Competitive Grants Program (NRI). This information is public, available on the web, and accessed for many different purposes. Individuals or agencies may be searching for a specific research topic, summarizing information for budgetary purposes, creating databases for research analysis, etc.

CRIS Website —<http://cwf.uvm.edu/cris/is> is an EXCELLENT resource page for information on completing research forms, searching the CRIS database to find your Hatch project (especially if you are getting ready to revise or write a new project, you can see the latest information submitted) or projects from other universities to see what research is being conducted. You can search by name, state, institution, or keywords. Also, the classification manual is available at this site, a project processing flow chart, and if you have submitted a project that hasn't been approved yet, you can check the status of the reports in progress.

Writing a New or Revised Hatch, McIntire-Stennis or Animal Health Project

If you have a research appointment of 20% or more, a new or revised 5-year project needs to be submitted.

Three Steps for Submitting a Hatch, McIntire-Stennis or Animal Health Project:

1. Write your Project Outline: (see details on the following page)
 - Cover Page (About ½ Page), which includes: Title, Project Number (from Business Office), Dates (start/end the project), PI(s) name(s), and Cooperators (name, department, and institution)
 - Objectives (Not To Exceed ½ Page),
 - Approach (Not To Exceed 3 Pages)
 - Rationale and Significance (Not To Exceed 1 Page),
 - Literature Review (Not To Exceed 1 Page), And
 - References (2 Pages Or Less).
2. Complete forms AD-416 (Research Resume), AD-417 (Classification Codes), and CSREES-2008 (Assurance Statement) on the CRIS Forms Assistance page. If any item on the CSREES-2008 is checked “yes” a hard copy of the Purdue University approval must be submitted with your research project. Do Not download your project outline on the CRIS web site. The Agricultural Research Office at Purdue will convert it to a pdf file when submitted to Washington, D.C.

Password: The password wolf is needed to complete the forms on the CRIS Forms Assistance Page.
3. Send electronically as a Word attachment the project outline, to Marissa Pava (mpava@purdue.edu) In the email also include a list of five potential reviewers (three from within your department and two from outside the department).

Note: A “New” project is written when you change your area of research. If you are continuing within the same research area, then a “Revised” project should be submitted.

Review Process

1. Your research project will be sent to three selected reviewers. They will fill out an evaluation form, emailing one copy to you and one copy to the Agricultural Research Office before the review meeting.
2. The three reviewers, the department head, and Marshall Martin (Senior Associate Director marshallmartin@purdue.edu) will meet with you and provide feedback on your project. If revisions are needed on the forms, you will be able to make corrections on-line. [If revisions are needed on your project outline, please make the corrections in your Word document and send to Marissa Pava \(mpava@purdue.edu\) as an email attachment.](#) Once received by the Agricultural Research office, all forms and documents will be submitted electronically to the USDA-NIFA office in Washington, D.C.

Project Outline (Word Document)

Cover Page – about ½ page

The cover page must include the following subheadings:

- **Title:** The title should be descriptive and written for a lay reader; 100-character maximum.
- **Project Number:** For all (new and revised) projects, the principal investigator's Statistical Internal Order (SIO) number is assigned by the Department Head
- **Dates:** Projects begin on October 1 and end on September 30 to align with the federal fiscal year. Other starting dates are acceptable for new projects, but will show a September 30 termination date.
- **Primary Investigator(s):** While each project may have only one principal investigator, team projects are encouraged.
- **Cooperators:** List each cooperator, department, and institution. Cooperators may be at Purdue University, other U.S. universities, or research institutions in other countries. Please indicate in the Project Outline text the expected contribution of each cooperator.

Objectives – not to exceed ½ page

The objectives should be clear, concise, and usually mutually exclusive. They should be one-phrase or one-sentence statements identifying objectives in which substantial progress can be expected during the duration of the project. Objectives in the project outline must be identical to those on Form AD-416. The objectives should be definitive and realistic. There is an assumption that some objectives will be modified from the previous five-year research project, even if a revised project is submitted. The scientist may find it useful to write a General Goal Statement for the program, and then list 2 to 4 specific objectives.

Approach – not to exceed 3 pages

A description of the specific procedures and research techniques should be identified for each objective. This should be a description of the working plans and methods to be used in investigating each of the stated objectives. Sufficient detail should be presented to clearly convey the experimental methods, analytical procedures, data collection, etc. Each procedure should correspond to the appropriate objective, and follow the same order. Include a timeline (McIntire-Stennis) plus an indication of the role of each listed collaborator for all projects.

Rationale and Significance – not to exceed 1 page

Present a concise statement of the scientific issue or problem. It should explain why the problem is important to society or relevant stakeholders, how the proposed research will contribute to a solution, and identify the potential benefits or expected outcomes from the research. This should be written in laymen's language so a non-scientist can understand the importance of the proposed research project.

Literature Review – not to exceed 1 page

This is a brief description of the current state of knowledge, and should describe how the project will add to the knowledge base. This section should be documented with a several key recent literature citations, but it is not intended to be a complete literature review.

References - not to exceed 2 pages

This should include your own research as well as that of your peers. The citations should be in alphabetical order by author's last name using a citation style commonly used in your professional journals.

Hatch Project Review Form

http://www.ag.purdue.edu/arp/Pages/federal_funds.aspx

Multistate Research

Multistate research supported by the Hatch Act is a collaborative, formalized program directed toward solving, definite problems related to agriculture in a broad sense, including rural life and consumer concerns.

The cooperative Multistate Research Program involves the State Agricultural Experiment Stations (SAES) in partnership with USDA to stimulate and facilitate cooperative multistate and national research on problems of agriculture, natural resources, environment, and producer and consumer issues. Through sharing and generation of knowledge, the collaborative efforts of SAES and other scientists will expand the base of high quality science to provide outcomes important to the environment, and the citizens of the United States and the world, now and in the future. Linkages with Cooperative Extension, industry, and other institutions and agencies will facilitate the interpretation and application of research results through effective use of current information technology.

The primary characteristics of multistate research:

- Focused on a specific and important problem of concern to two or more States;
- Planned and conducted as an interdependent program in which participating scientists are mutually responsible for accomplishing the objectives, or are dependent on centralized facilities or activities.

The overall goal of multistate research is to: a) bring together scientific talent from the SAES's, USDA, other institutions and government agencies to work on a problem; b) investigate through collaborative activity problems that are too complex or costly for a single SAES; c) facilitate the interpretation and application of research results for the solution of a problem; and/or d) stimulate the exchange of ideas and research approaches between scientists. Coordination can be accomplished several ways, including bilateral, and multi-lateral cooperative agreements, contracts or formal multistate research projects. Multistate Research Projects are planned and conducted as a concerted effort in which the participating scientists from two or more states are mutually responsible for accomplishing the objectives. The establishment of a multistate project requires the preparation and approval of a proposal. Contents and requirements for proposal preparation for the North Central Region are found on the National Information Management and Support System (NIMSS) web site at <http://nimss.umd.edu/>. NIMSS is a web-based application that will allow participants of Multi-

concerted effort in which the participating scientists from two or more states are mutually responsible for accomplishing the objectives. The establishment of a multistate project requires the preparation and approval of a proposal. Contents and requirements for proposal preparation for the North Central Region are found on the National Information Management and Support System (NIMSS) web site at <http://nimss.umd.edu/>. NIMSS is a web-based application that will allow participants of Multistate Research Projects and Activities to submit proposals and reports online. Interested parties, stakeholders and cooperators can also query the System for relevant and timely information.

If a scientist is interested in becoming involved in existing multistate projects or developing a project, it is recommended they contact the Agricultural Research Office at Purdue.

Regional Associations of State Agricultural Stations



1. **Northeastern Region:** Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont & West Virginia
2. **North Central Region:** Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota & Wisconsin
3. **Southern Region:** Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas, Virginia & Virgin Islands
4. **Western Region:** Alaska, Am. Samoa, Arizona, California, Colorado, Guam, Hawaii, Idaho, Micronesia, Montana, Nevada, New Mexico, N. Mariana Islands, Oregon, Utah, Washington & Wyoming

Guidelines for North Central Multistate Research (NCMR)

Multistate research is by its very nature or title mandated as a collaborative effort between states. Support for multistate research is unique and is set aside to address, specific multistate activities. Within the North Central Region, multistate research should meet the following criteria:

Problem solving. North Central supports research that addresses a particular regional problem (within a high priority research area). The research program should identify measures for documentable progress within a five-year frame. Thus, the progress must be clearly defined and specific goals relative to solution of the problem must be clearly identified.

High priority. The NCRA will develop RFP's that identify both specific and general research priorities within seven cross-cutting areas that include the research goals forwarded by the NCRA committees. These are the only areas that will be funded by RRF. However, the NCRA will depend on the NCA committees to annually review the research areas and to suggest changes as appropriate to our regional research mission.

Multi-disciplinary. The region encourages the development of broad research programs that are multi-disciplinary and address complex problems that are amenable to coordinated research. For example, the NCRA believes that all projects should consider economic and social components as well a biological and physical science components (also see the discussion on multistate below).

Multistate. One of the goals of this prioritization program is to build on the specific research strengths of individual states and to blend these strengths into cooperative and complimentary research programs that capitalize (in a synergistic way) on regional inputs. These research programs are regional because it is unlikely that any single state would have the entire set of research components needed to address the breadth of a regional program. Recognizing that most land grant institutions are undergoing downsizing or at best in a "no growth" situation, we must begin to capitalize on the strengths of individual Experiment Station programs by blending them together.

Assure accountability. The Government Performance and Results Act (GPRA) (1993) mandates that all federally sponsored research must include both performance indicators and performance measures. Potential milestones or indicators of progress should be identified. Accountability must be measured in these terms and will enhance our reporting and input to the required GPA process, as well as strengthen the NCRA knowledge base about our regional research programs.

Direct/impact/outcome to society/people. Every multistate program must be able to show how the proposed research will contribute to society. Measureable impacts and expected outcomes that will result from the research should be clearly identified.

Leverage. Although this NCRA prioritization process will eventually enable us to demonstrate that we are using our research resources wisely and will enhance our ability to increase research support, we must recognize that funds are finite and growth is unlikely. Thus, the opportunities to leverage support from other federal or state agencies, as well as from private sources, can be greatly expanded by successful regional research programs. Multistate research proposals should discuss the role of outside funding in the current proposal and the likelihood of future leveraged support if the proposal is successful.

Sponsored Program Development

Sponsored Program Development is specifically dedicated to serving faculty and research staff in the College of Agriculture by facilitating the creation of grant proposals and acquisition of grant awards. Today's competitive grant landscape is challenging with unpredictable appropriations and an ever-increasing number of contenders. Purdue's scientists produce top notch work—the science easily stands alone. We work with our scientists to position their research in the strongest light possible. We do this by matching grant opportunities to Purdue expertise, convening research teams for multi-investigator proposals, liaising with program sponsors and internal and external partners, and assisting in story development, editing, and compiling proposal elements (document management).

The ARP web site http://www.purdue.edu/research/vpr/rschdev/fund_main.php and www.grants.gov are two of many grant resource sites with which you should become familiar. Researchers are encouraged to establish an account with Pivot (<https://pivot.cos.com/session/login>), a primary source for funding information at Purdue. Use this link to create a profile to have personalized funding searches delivered directly to your email on a weekly basis. Information on the many Centers, Institutes and Research facilities that could provide services and partnerships is also available.

We encourage researchers and faculty —especially new faculty— to meet with us annually to provide an update on your research program so that we can provide you with personalized and timely funding information and assist you in making research connections across campus.

Please contact Dawn Parks in Ag Research, 49-67550, dwparke@purdue.edu, for assistance with building your team, proposal development, writing/editing and submission.



CONTACT INFORMATION

DAWN PARKS

Assistant Director
Sponsored Programs

765-49-67550
dwparke@purdue.edu

www.ag.purdue.edu/arp

Purdue University Office of the Vice-President for Research (OVPR)

The goal of the OVPR Research Development staff is to assist faculty in the development of large research and education proposals—generally \$1 million or larger. OVPR staff provide a broad range of services and resources, including assistance in locating funding opportunities, coordination and grant writing for large research proposals, online templates and tools, assistance in making cross-campus faculty connections, organization of site visits, hosting of grantsmanship-related workshops, and coordination of internal limited submission competitions. In addition, they are available to meet with faculty and provide guidance on smaller proposals.

For more information, visit their website at:

<http://www.purdue.edu/research/vpr/rschdev/index.php>

Sponsored Program Services – Pre-Award Services

Sponsored Program Services has a designated Pre-Award Team (agpreaward@purdue.edu). Provided services include budget development, subcontract documentation, obtaining approvals, documentation of cost share commitments, institutional review/approval, and submission of the final proposal. The pre-award team works closely with ARP and OVPR to support faculty in successful submissions.

[See SPS section in this manual](#)

Grant Writing Aids

There are occasional structured workshops throughout the year, both on-campus and off, that allow for improvement of grant writing skills. Many of these announcements may be relayed through ARP, OVPR or your Department Head. The Grant Institute (www.thegrantinstitute.com) offers structured courses in grant writing (Grants 101) and other related topics. NCURA (National Council of University Research Administrators) and SRA International (Society of Research Administrators International) are good resources for grant administration information and training.

Grant Opportunities

The first step to securing funding for your discovery, learning and engagement program is to find available funding opportunities. Many agencies allow web searches for available funding by keyword, as well as subscription to e-mail notification services. GRANTS.GOV is the primary point of contact for all Federal agency grant announcements.

Key web sites for information about funding opportunities

AGENCY	URL
All Federal	www.grants.gov
Federal Business Opportunities	www.fbo.gov
USDA – National Institute of Food and Agriculture	www.csrees.usda.gov/fo/funding.cfm
North Central Reg. Sustainable Agriculture Research And Education (NCRSARE)	www.sare.org/ncrsare
National Science Foundation (NSF)	www.nsf.gov/funding
National Institutes of Health (NIH)	http://grants.nih.gov/grants/guide
Department of Energy (DOE)	www.sc.doe.gov/grants/grants.html
Office of Naval Research (ONR)	www.onr.navy.mil/02
Environmental Protection Agency (EPA)	http://www.epa.gov/ogd/grants/funding_opportunities.htm
Food and Drug Administration (FDA)	www.fda.gov/oc/ofacs/grants
National Aeronautics and Space Administration (NASA)	http://nspires.nasaprs.com/external
U.S. Agency for International Development (US-AID)	www.usaid.gov/business
The Foundation Center	www.fdncenter.org/funders
Indiana 21st Century Research & Technology Fund	www.21fund.org

Once you have identified a potential target, you will need to carefully read the request for proposals/applications (RFP/RFA), broad agency announcement (BAA), or Program Announcement (PA). Be aware of submission deadlines, special requirements such as cost sharing, and length and format limitations. If you are not sure about the appropriateness of your project for a particular program, view the list of prior awards on the agency site.

Pivot

Pivot is a key resource for scientific information. It offers a variety of options to keep abreast of current research and technology. Pivot provides easy-to-use information about researchers and research funding.

Scientific Expertise Profiles are personalized by individuals and provide the opportunity to connect with others actively working in, or interested in, similar or related areas of research. Universities, laboratories, and professional societies use Pivot to build and maintain verified, common-format databases of their researchers' interests and expertise. This database is institutional, regional, national, and international in scope. Creating a profile on Pivot allows appropriate extramural funding announcements to be sent directly to your e-mail account via the Funding Alert Service, and allows others interested in your expertise to find you.

To start a profile, click on "Login/Join" from the Pivot homepage.

<https://pivot.cos.com/session/login>

Funding Opportunities Database - The funding opportunities database includes funding information from public and private sponsors throughout the world. It is updated daily and can be searched by sponsor, deadline, eligibility, discipline, and country. A key feature, "Faculty Match" software, permits researchers and administrators to retrieve and disseminate funding information automatically through controlled links between the Expertise Database and funding records.

Funding Opportunities at Purdue

Purdue Research Foundation Grants

<http://www.purdue.edu/research/vpr/funding/internal.php>

The Office of Vice President for Research (OVPR) administers various grant competitions which provide summer and full-year research support for graduate students, summer research support for faculty, and travel funds to assist faculty participating in international meetings. Funding for these grants is provided by the Purdue Research Foundation to support the broad range of research and scholarly activities performed by faculty and graduate students at Purdue University. Proposals are usually due to ARP around Thanksgiving.

PRF International Travel Grants assist faculty in international activity by providing a portion of the transportation costs for international travel. Grant requests are submitted to the Associate Dean and Director of International Programs in

are submitted to the Associate Dean and Director of International Programs in Agriculture. The School may establish criteria for making award selections. Applications are ranked and submitted to the OVPR.

PRF Research Grants are awarded to faculty for projects that support graduate students engaged in Ph.D. research. The one year awards are allotted to departments by the Associate Dean for Research. Department Heads select grant recipients.

PRF Summer Faculty Grants are awarded to full-time, tenure-track and academic-year faculty to continue full-time scholarly work during the summer months. Grant applications are submitted to the Associate Dean for Research. The proposals are ranked by a review committee and submitted by the Dean to the Vice Provost for Research.

PRF Summer Research Grant for Graduate Students provides two months of thesis research support for pre-doctoral students who have held graduate teaching appointments. The Graduate School determines which students are eligible to receive these grants and recipients are selected by the Associate Deans for Research and Academic Programs.

Trask Technology Innovation and Pre-Seed Fund

http://www.prf.org/otc/trask_fund.asp

See the Office of Technology Commercialization Section in this manual.

ARP Research Assistantship Program

Purpose

The Ag Research (ARP) Research Assistantships are awarded each year on a competitive basis in an effort to support new tenure-track Assistant Professors as they establish their research programs by providing funding for graduate student research. A primary purpose of this program is to develop and promote research ideas which can be developed into proposals for extramural funding. Important areas of research not having access to outside sources of funding will be considered, however.

Eligibility

- Only tenure-track Assistant Professors in the Colleges of Agriculture, Health and Human Sciences, and Veterinary Medicine who have been members of the Purdue University faculty for less than three years as of October 1, 2012 are eligible.
- Faculty who apply for ARP Research Assistantships MUST prepare and have an approved Hatch, Animal Health, or McIntire-Stennis project that is consistent with the mission areas of USDA-NIFA. More information on NIFA's priority areas may be found at: <http://www.csrees.usda.gov/about/background.html>.
- A tenure-track Assistant Professor may receive only one ARP Research Assistantship during his/her first three years of employment.

General Information

- Individual Assistant Professors may submit only one proposal. Proposals are due electronically in pdf format to ARP before 5:00 PM on Monday, October 29, 2012.
- The ARP Research Assistantship stipend amount will be \$17,500 per year. Funds will be available July 1, 2013.
- Assistantships are awarded for one year, but may be renewed for a second year pending written confirmation
- by the PI that the student has made satisfactory research progress. No detailed budget page is necessary since these funds are intended for graduate student assistantship support.
- The stipend may be used for MS or PhD student assistantships.
- The ARP Research Assistantships may be activated after July 1, 2013, and no later than June 30, 2014. Funds will be released to the departmental business office when a graduate student is activated on the assistantship.

CONTACT INFORMATION

MARSHALL MARTIN

Sr. Associate Director
Assistant Dean
Mission Programs and
Stakeholder Relations

765-494-8365

marshallmartin@purdue.edu

-
- Awards are limited to ARP-affiliated departments and to tenure-track Assistant Professors with an ARP appointment on an approved USDA-NIFA Hatch, McIntire-Stennis, or Animal Health (Federal-formula) research project. If an Assistant Professor does not have an approved Federal-formula project, one may be developed at the time of application for the ARP Assistantship or prior to an award. However, assistantship funds will be released only after approval of the Federal-formula funded research project.
 - Please send an electronic copy in pdf format via e-mail to wmadore@purdue.edu by no later than 5:00 pm, Monday, October 29, 2012.

Post-Award Services

College of Agriculture Post-Award Services will partner with Principal Investigators in project administration, providing resources and assistance in all matters related to project management, sponsor interactions, and University policies. Our goal is to meet or exceed faculty expectations for all Post-Award support activities.

Our Post-Award Operations Managers can perform a variety of functions of the academic business office and Sponsored Program Services.

Examples of the services provided:

- Manage the award “hand-off” process, including the establishment of accounts at the onset of a project
- Mediate interactions with the business office, Sponsored Program Services, and other appropriate entities
- Interact with subcontractors, and/or their business offices
- Track budgets, prepare projections, and assist in adjusting budgets when necessary
- Manage project reporting schedules, and assist in reporting to sponsors and stakeholders.
- Manage project reporting schedules, and assist in reporting to sponsors and stakeholders.
- Review sponsor reporting guidelines and identify key issues
- Assist with cost-share and in-kind support documentation
- Manage setup of meetings and conferences
- Work with internal and external organizations to acquire space, furniture, equipment and other physical project needs
- Assist with recruiting, hiring, training, and supervision of personnel
- Assist with Animal and Human Subject protocols and other regulatory requirements

Principal Investigators desiring assistance with any of these matters should contact the one of our Operations Managers to set up a meeting.

CONTACT INFORMATION



BILL BOGAN, Ph.D.
Operations Manager
bogan@purdue.edu



MEREDITH COBB
Operations Manager
mcobb2@purdue.edu

Responsible Conduct of Research

Policy on Research Misconduct (VIII.3.1)

Integrity in research is an essential part of Purdue University's intellectual and social structure, and adherence to its spirit and principles must be maintained. These principles include commitment to truth, objectivity, fairness, honesty, and free inquiry.

Serious violations of integrity in research are rare. However, those that do occur strike at the very heart of scholarship and the concept of the University. Advances in scientific knowledge depend on reliable data and honestly reported conclusions. Advances in humanistic studies depend upon gathering and interpreting legitimate information in a manner which other scholars, in good faith, can judge and evaluate. Artists present portfolios and performances which reflect unique artistic statements and points of view. For the purposes of this document, the term research will be understood to include all of these and all other scholarly activities conducted at the University (including its regional campuses) or elsewhere if conducted under University auspices. In any academic institution, scholars, researchers, and artists have a special obligation to exemplify the best qualities and highest standards of personal and professional conduct.

http://www.purdue.edu/policies/pages/teach_res_outreach/viii_3_1.html

Other University Policies Related to Research

Animal Care

Purdue University, Office of the President, Executive Memorandum No. B-1

http://www.purdue.edu/policies/pages/teach_res_outreach/b_1.html <http://www.purdue.edu/research/vpr/compliance/animals/index.shtml>

Procedures with animals will avoid or minimize discomfort, distress and pain to the animals, consistent with sound research design. The living conditions of animals will be appropriate for their species and contribute to their health and comfort. The assurance of proper housing, feeding and nonmedical care of the University laboratory animals will be the responsibility of the University Laboratory Animal Veterinarian or delegated representative trained and experienced in the proper care, handling and use of the species being maintained or studied.

Copyrighted Materials

Purdue University, Office Of The President, Executive Memorandum No. B-53, July 10, 2000 http://www.purdue.edu/policies/pages/teach_res_outreach/b_53.html

Purdue University holds that the creation, discovery and dissemination of knowledge are central to the achievement of the University's mission. The University community shares both an interest in the protection of intellectual property as a creator of such property and in the fair use of copyrighted works in the daily pursuit of research, teaching, learning and public service. Federal copyright law, as contained in Title 17 of the U.S. Code, protects original works of authorship and governs reproduction of these works. It is the policy of Purdue University to promote understanding of copyrights and compliance with all applicable provisions of copyright law, including exercise of the exemptions accorded to users of copyrighted works. All Purdue University faculty and staff are expected to act as responsible users of the copyrighted works of others, which includes making informed, good faith decisions that comply with copyright law.

Environmental Health and Safety

Purdue University, Office of the President, Executive Memorandum No. C-36
http://www.purdue.edu/policies/pages/facilities_lands/c_36.html

University faculty, staff, and students are required to comply with environmental, health, and safety laws and regulations issued by federal, state, and local agencies, including: the Occupational Safety and Health Administration, Nuclear Regulatory Commission, Environmental Protection Agency, Department of Transportation, Indiana State Department of Health, and others. Faculty, staff, and students must also comply with related University policies, procedures, and instructions.

Human Subjects

Purdue University, Office of the President, Executive Memorandum No. B-45
http://www.purdue.edu/policies/pages/teach_res_outreach/b_45.html <http://www.irb.purdue.edu/>

Purdue University and the Purdue Research Foundation policies with regard to the use of human research subjects require a review to safeguard the rights and welfare of such subjects. In order to insure adequate safeguards, group reviews and decisions must be carried out in reference to (1) the rights and welfare of the individuals involved, (2) the appropriateness of the methods used to obtain informed consent, and (3) the risks and potential benefits of the proposed activity. The establishment of appropriate policies and procedures, including group reviews and decisions, is the responsibility of the University Committee on the Use of Human Research Subjects, and such policies and procedures that are established shall be applicable to all research operations conducted at Purdue University or any of its facilities or conducted under the auspices of the University or its staff.

Intellectual Property

Purdue University, Office of the President, Policy VIII.4.1

http://www.purdue.edu/policies/pages/teach_res_outreach/viii.4.1.htm

Inventions, copyrightable works and other creative products of scholarship that have the potential to benefit the public through practical application may result from the activities of Purdue University personnel in the course of their duties or through the use, by any person, of university resources such as facilities, equipment, or funds. The University reserves the sole right to make agreements with sponsoring organizations and to include therein such provisions regarding the ownership and disposition of rights in Intellectual Property as it deems to be in the interest of the University and the public. <http://www.prf.org/otc/policies.asp>. For questions about intellectual property, contact the Associate Director of ARP at 49-48370 or OTC at 49-67712.

Outside Activities & Conflicts of Interest

Purdue University, Office of the President, Executive Memorandum C-1

http://www.purdue.edu/policies/pages/human_resources/c_1.html.

Purdue University, Office of the President, Executive Memorandum

C-39 http://www.purdue.edu/policies/pages/human_resources/c_39.html.

Participation by faculty and staff in activities outside one's normal University duties must be approved in advance. If the activity constitutes a possible conflict of interest, this must also be disclosed at the same time. Faculty apply for approval to engage in outside activities and disclose potential conflicts using a Forms 32-A and/or C-1 and 35, which can be obtained from your department's business office. Form 32-As and C-1s must be approved by the department head and associate Dean before being sent on for approval to the President's office.

Recombinant DNA

Purdue University, Office of the Vice President for Research, Institutional Biosafety Committee (IBC)

<http://www.purdue.edu/research/vpr/rschadmin/rschoversight/rdna/index.shtml>

Recombinant DNA (rDNA) activities conducted by Purdue University investigators or by others at Purdue University facilities are subject to the National Institutes of Health (NIH) "Guidelines for Research Involving Recombinant DNA Molecules" regardless of the source of funds that support the activities.

IBC license number: 04-005-07

Ag/Vet Pre-Award Services

Ag/Vet Pre-Award Services will partner with Principal Investigators in proposal preparation, serving as key resources in all matters related to University policies for proposal development and submission. Our goal is to meet or exceed faculty expectations for all Pre-Award activities.

Overview of Services

Our Pre-Award Specialists perform the functions of the academic business office and Sponsored Program Services. These services include but are not limited to:

- Review sponsor guidelines (RFP/RFO) and identify key issues
- Facilitate meetings with pi, business office, and other appropriate individuals
- Collaborate with OVPR staff, as appropriate, during the proposal process
- Develop timeline for all input and approvals
- Prepare the budget and review/provide input on budget justification
- Secure subcontract documentation
- Assist with cost share commitments and documentation
- Involve university contracting group services if needed
- Assist with sponsor forms and electronic submission systems
- Assure the proposal meets all sponsor guidelines and is in final form
- Obtain appropriate academic and business office signatures
- Assist with sponsor requests for re-budgets, just in time information, etc.
- Provide institutional approval for proposal
- Prepare the budget and review/provide input on budget justification
- Secure subcontract documentation
- Assist with cost share commitments and documentation
- Involve university contracting group services if needed
- Assist with sponsor forms and electronic submission systems
- Assure the proposal meets all sponsor guidelines and is in final form
- Obtain appropriate academic and business office signatures
- Assist with sponsor requests for re-budgets, just in time information, etc.
- Provide institutional approval for proposal

CONTACT INFORMATION

AMY WRIGHT

Pre-Award Center Manager
Lynn Hall, Rm. G193A
765-494-8366
wrightaj@purdue.edu

PRE-AWARD SPECIALISTS

BEVERY LOGSDON

logsdonb@purdue.edu
765-494-5367

JENNY THAYER

jlthayer@purdue.edu
765-494-5745

AIMEE KAPPES-ARMSTRONG

akappes@purdue.edu
765-494-5821

ROSE KILLIAN

killianr@purdue.edu
765-494-7881

As soon as a Principal Investigator has decided to submit a proposal or is in discussions with a company regarding funding an idea, the PI should contact the Pre-Award Center. The e-mail should include the PI name, Academic Department name, sponsor, proposal deadline, and references for sponsor guidelines if available. A proposal team member will contact you regarding your proposal. We offer on-site services at a location convenient to the PI.

PRE-AWARD CLERICAL SUPPORT

KATHY WOTHERSPOON
kwothers@purdue.edu
765-494-5006

AG FACULTY

agpreaward@purdue.edu

VET FACULTY

vetpreaward@purdue.edu

Proposal Requiring Additional Reviews ("Red Flag" List)

The following proposals issues require additional and/or special approvals which will add time to the proposal review process. If your proposal includes any of these items, it is recommended that you alert your Pre-Award Specialist early in the process:

- Non-standard Facilities & Administrative rates (overhead), for which a waiver is required *
- Proposal involving a conference on campus
- Consultants
- Use of non-departmental facilities
- New facilities or renovations of existing facilities *
- Proposals which require the president's review and approval (new centers and Lilly Endowment proposals) *
- Presence of a Conflict of Interest *
- Other institutions as collaborators or subcontractors
- Discovery Park proposals *
- Sponsor's intellectual property terms are at odds with the university's standard position *
- Proposals where the sponsoring agency limits the number of proposals submitted in some way (e.g. total from institution or total for a program area) *

*Academic approval by Dean/Director required

Resources

- Standardized ERA System (Coeuslite) available to all faculty
- Automatic calculation of raises, fringe benefits, F & A costs
- Required to accompany proposals for internal review purposes

Website Resources

- Sponsored Program Services: <http://www.purdue.edu/sps/preaward/>
- Office of the Vice President for Research: <http://www.purdue.edu/research/vpr/>
- Coeus (budgeting program): <http://www.purdue.edu/coeus>

Proposal Budgets

General Guidelines

- Realistic – not excessive or padded
- Fully costed – includes all costs required to do the work

Personnel/Compensation

- Principal investigator/Co-principal investigator(s) working directly on the project or administering the project.
- Other staff – Post doc, lab technician, student labor, graduate students.
- Standard raise factors used for projects crossing fiscal years.
- Fringe benefits – budgeted based on default fringe rates.
- Fee Remissions for graduate assistants – to be prorated if the student is paid from two or more projects. Inflation applies on an annual basis.

Supplies and Expenses (S&E)

- Materials and Supplies
- Communications – long distance, shipping charges
- Travel

Domestic (Canada and Mexico are considered domestic for state sponsors; however, Mexico is considered foreign for some federal sponsors)

Foreign: identify the destinations and purpose of each individual trip

- Printing and Duplication – including pages charges for publishing
- Subcontracts
- Computer Services
- Capital Equipment (Non-expendable equipment) – identify each item separately

Definition: \$5,000 unit cost and a useful life of one (1) year or greater (software is never considered Capital Equipment)

- Other – consultants, equipment rental

Facilities & Administrative (F&A) Costs

Based on MTDC (Modified Total Direct Costs)

Excludes

- Capital Equipment
- Subcontract amounts over \$25,000 per subcontract
- Grad Fee Remits
- Other – check with Pre-Award Specialist

Rates

On-campus:

- 54% Research
- 52% Instruction
- 36% Other Sponsored Programs

Off-campus - lower rates apply if Purdue staff will be working on the project at an off campus location not owned or leased by Purdue for at least one semester or summer session (26%)

Exceptions

Non-Government support - Purdue policy:

No F & A cost will be assessed if the direct cost is \$10,000 or less for industry and foundation proposals.

Otherwise, the full negotiated Federal rate will be assessed.

Ag Memorandum of Agreement sliding scale for awards \$10,001 - \$50,000

Sponsor-Requested Exceptions

Standard sponsor policy (in written guidelines) will be considered but may require a waiver.

Request for waiver or cost sharing

Generally no exceptions for industrial sponsors other than PU policy above

F & A costs are charged based on the direct cost expenditures of the project. If sufficient F & A costs are not budgeted it could reduce the direct costs available for the project

Cost Sharing

Other sponsor-required cost sharing comes from departmental funds

Cost sharing when not required by the sponsor is discouraged

- Ties up scarce resources
- Reduces flexibility (time and dollars)
- Cost sharing not required by the sponsor which is shown in a proposal will be treated as mandatory and must be documented in the accounting records
- May not enhance funding potential

Sponsor restriction of Fringe Benefits or Fee Remits

- Covered by university for existing permanent staff budgeted on department general funds
- Requires Departmental Cost Share for temporary positions or staff who are soft funded (Post Docs, Grads, ect)
- Exception: In cases where grad fee remits are not allowed by USDA, the cost will be covered by the university

Special Documentation Requirements (Internal Use)

Non-Faculty PIs

Subcontracts

- Commitment to undertake work signed by authorized official (AOR Letter)
- Description of the work to be performed (Statement of Work)
- Subcontractor's budget & budget justification

Conferences

- Require proposal submission form approval from Conferences (work with your departmental-Business Office)

Cost Sharing from departmental or school funds

- Form 32 signed by head and/or dean (prepared by Pre-Award)

F & A Rate Exceptions

- Sponsor policy determine appropriate action
- Waiver requests must be approved by the head, dean and Director of SPS

Facilities outside department

- Require a statement that the facilities are available for use during the project (letter from facility director)

Collaborators/Consultants (Named in the proposal)

- Require a statement of their willingness to participate in the project
- Sponsor often requires CV and/or budgeted rate of pay at proposal time
- Letter of collaboration

Post-Award Activities

How will I know I have received an award?

There will be an official award letter or agreement from the sponsor sent to the PI, business office or Sponsored Program Services. The PI will also receive an email (Notice of Award) from Sponsored Program Services informing them of the account number corresponding to the award. In situations where there are regulatory or other issues preventing Sponsored Program Services from establishing the award, the PI will receive an email informing them of the issues.

How are expenditures handled on sponsored accounts?

Expenditures are treated the same as other funds, but the PI needs to approve all expenditures (through signing or delegating signature). Supporting documentation for purchases is kept in the departmental business office.

When can I start spending money on the new account?

When you receive the Notice of Award from Sponsored Program Services, your account is set up and available for use. If you need to start work before this is received and executed, you can request a Notice to Proceed. In most cases, your business office should be your first point of contact when you are ready to start spending funds.

What is a Notice to Proceed?

This is similar to a line of credit on your award and allows you to proceed with your project. If you have received informal notification by the sponsor of a pending award, please inform the Business Office and ask them to request a Notice to Proceed. All regulatory issues must be resolved prior to starting work on the project.

What kind of certifications are required and when?

Sponsored Program Services requires any activity involving human subjects, vertebrate animals or RDNA be reviewed by the appropriate committee to comply with federal regulations. This must be done before the award is set up and available for expenditure.

CONTACT INFORMATION

BETH SIPLE

Assistant Director
Ag Sponsored Programs
sipleb@purdue.edu

JESSICA LAWRENCE

Assistant Director
SPS Post Award
jlawrenc@purdue.edu

www.purdue.edu/sps

What types of changes in the project require prior approval from the sponsor?

Certain sponsors permit re-budgeting between budget categories to meet unanticipated requirements. Other items that may require prior approval include; change in scope of work, change in PI, subcontracts not approved in original budget, extensions of time, and foreign travel.

What financial reports are available to a PI for their sponsored project accounts?

Monthly Project Financial Reports (FSSRS) are automatically sent to PI's. The reports produced are always month end reports based on the most recent month end financial status. An online account management tool (AIMS) is also available to faculty with live to date financial information. Business Offices can assist with training in this tool.

University Contracting Group Contract Management Services

The Contracting Group within Sponsored Program Services is made up of contract analysts that review all grants, cooperative agreements, contracts, or awards that are made to the University. Contract analysts are divided into two teams that handle either Federal and State of Indiana awards or Industrial/Foundation/Non-Profit awards. Associated subcontracts to non- Purdue partners are also negotiated by the University Contracting Group.

The University Contracting Group is also responsible for some types of agreements in which no transfer of funding is involved. Examples include; Confidentiality/Non-Disclosure Agreements, Material Transfer Agreements, Teaming Agreements, Memorandum of Understanding Agreements, and other Miscellaneous type agreements.

While the Sponsored Programs Post Award area focuses on the financial terms of the agreement, the University Contracting Group carefully reviews and negotiates contract terms related to publication rights, intellectual property ownership and export control regulations. Both the PI and respective Department Heads and/or Deans are often times included in the negotiation process, especially with non-Federal partners.

CONTACT INFORMATION

JEFF KANABLE

Assistant Director Sponsored
Program Services- Contracting
765-494-1059
jkanable@purdue.edu

BETH SIPLE

Assistant Director
Ag Sponsored Programs
765-494-8464
sipleb@purdue.edu

www.purdue.edu/sps

Example of New Award Notice

To: Dr. Smith and Dr. Jones Cc: Department Business Office Contact Subject: New Award – Dr. Smith

Grant Number: 102561

Title: Understanding Farm Household Decision-Making Behavior

PI: Smith & Hones

Project Period: 7/6/07-9/20/08

Total Sponsor Award: \$20,000

Sponsor Name: USDA/AR

Sponsor Award No.: 58-6000-7-0056

Order/Fund/CoPI: 800001XXXX/41100000/Dr. Smith – Sponsor funds account

Order/Fund/CoPI: 800001YYYY/21030000/Dr. Smith – Cost sharing account

Cost Sharing: Yes

Subcontracts: No.

Institute Proposal COEUS Number: 07128166

Dr. Jones has been given AIMS access.

We have recently established the grant and internal orders listed above for your award. To ensure that your project runs as smoothly as possible, please complete the following:

- Log into AIMS to review your budget by clicking on the box titled “OnePurdue Portal Login” on the OnePurdue home page at <http://www.purdue.edu/onepurdue/>. Click on the AIMS tab and then on the GM Account Assignment Faculty link. Additional instructions can be found at: http://www.purdue.edu/onepurdue/contribute_pdf/gm_aims_faculty_acct_detail_lookup.pdf or by contacting your business office for assistance.
- Immediately visit your business office to set up any staff appointments on the grant, to authorize others to purchase on your grant, and to request AIMS access for any additional staff.

If your sponsor notification and/or contract have not already been transmitted to you electronically, please contact the Account Manager listed below.

If you are utilizing consultants on your project, it is vitally important to initiate those agreements as soon as possible. Please visit your business office to complete the proper forms.

Sponsored Programs must be informed in a timely way of any changes in project status, particularly any prolonged PI absences or 25% changes in the proposed effort. Most sponsors require notification if the award PI will be unavailable for a period of more than 90 days. It is the responsibility of the department to inform Sponsored Programs of any such absences so that we may, in turn, inform the sponsor. Also reduction of more the 25% of the proposed effort of key personnel may require prior approval.

Please visit the SPS web page for more helpful project management information <http://www.purdue.edu/sps/>.

If you have questions, please contact your business office.

Sponsored Programs Account Manager Contact Information:

Name: Amanda Griffith, Phone: 46107, Email: agriffith@purdue.edu

Grant Management – Accounting Information Management System (GM AIMS)

http://www.purdue.edu/business/bstraining/training/courselist/GM_AIMS.html#FACREPORTS

What is GM AIMS?

GM AIMS is a web-based application tool that provides faculty with a set of tools to assist in financially managing grant funds. Benefits of the tools include:

- Real-time tracking of grant budgets and expenditures
- Expenditure details such as PO numbers, vendors and item descriptions
- Information on technical reports due and where/how to send them
- Balance trends charts
- Projection tool to estimate future balances

How do I access GM AIMS?

GM AIMS is accessible via the OnePurdue Portal. Using the link below, users are required to log in using their Career Account log-in and password.

<https://erp-portal-prd.itap.purdue.edu/irj/portal>

What types of financial reports are available in GM AIMS?

GM AIMS includes a suite of reports for faculty to view their grant accounts. Some examples of the different reports include:

- Account list: report includes grant number, title, sponsor, project period,
- PI name, life to date budget and expenses, available balance and
- Percent expended
- Expenditure history: report shows life to date expenses and the last 13
- Months expenditures by budget category
- Payroll summary: detailed list of employees and what they have been
- Paid on the account for the life of the grant
- Transaction listing: detailed listing of all transactions for a given period of
- Time. Includes posting date, expense category, vendor, PO number and amount
- Equipment transaction listing: detailed listing of all equipment
- Transactions for a given period of time
- Faculty technical notifications: lists technical reports due on current

www.purdue.edu/sps

GM-AIMS Account Projections Resources

GM AMIS contains an Account Projection program for faculty to create projections on sponsored funds.

Portal Web Address: <https://erp-portal-prd.itap.purdue.edu/lrj/portal>

Training Resources: http://www.purdue.edu/business/bstraining/Catalog/GM_AIMS.html

Log in to the OnePurdue Portal using your Career Account username and password. Click (1) **AIMS**, (2) **GM AIMS**, and then (3) **Account Projections**. Select (4) to **Launch Account Projections**.



The following chart indicates where access links to various reports are located.

Report	Accessed From
Account Projections	Portal Navigation Link
Account List	Within Application
Sponsored Program Salary Details Screen	Within Application
Sponsored Program Summary	Within Application
Grant Summary	Within Application

This is the screen that appears when Launch Account Projections is clicked.

Account List

☒ Always load my saved data (when available)

Grant Sponsored Program	Cost Sharing	Description	Sponsor	Project Period	PI Name Co-PI Name	Saved Projection	Status
999999		Grant for Training Purposes	Purdue University - Sponsor of Training	01/01/2010 - 12/31/2015	ERNEST, ALBERT		Approved Award
999999999	N	Sponsored Program for Training Purposes		01/01/2010 - 12/31/2015	PLANK, LIA		

www.purdue.edu/sps

Office of Academic Programs

The Office of Academic Programs is the hub of student activity for the College of Agriculture. We are located in the Steve and Sandra Hageman Center for Student Achievement and Leadership on the first floor of the Agricultural Administration Building.

The Office of Academic Programs also serves as a coordination point for advising, leadership, career resources, student organizations, academic excellence, scholarships, tutoring, and much more.

Criteria for Scholarly Activity

- It requires a high level of discipline-related expertise.
- It is conducted in a scholarly manner with clear goals, adequate preparation, and appropriate methodology.
- The work and its results are appropriately and effectively documented and disseminated. This reporting should include a reflective critique that addresses the significance of the work, the process that was used, and what was learned.
- It has significance beyond the individual context.
- It breaks new ground or is innovative.
- It can be replicated or elaborated on.
- The work - both process and product or result - is reviewed and judged to be meritorious and significant by a panel of one's peers.

Diamond, R. M. ed. 2002. Field Guide to Academic Leadership: A Publication of the National Academy for Academic Leadership. Jossey-Bass. San Francisco, CA. 526 pp. (from Exhibit 17.2, p. 280). ISBN 0-7879-6059-4.

It will be the responsibility of the academic unit to determine if the activity or work itself falls within the priorities of the department, school or college, discipline, and institution.



CONTACT INFORMATION

MARCOS FERNANDEZ

Associate Dean of Agriculture
Director of Academic Programs
(765) 494-8472
mfernandez@purdue.edu

JANET WARD

Administrative Assistant
(765) 494-8472
janetward@purdue.edu

www.ag.purdue.edu/oap

Programs Contacts



ALLAN D. GOECKER

Assistant Dean and
Senior Associate
Director of Academic Programs
(765) 494-8481
goecker@purdue.edu

- Undergraduate academic counseling coordinator
- AGR 101 course coordinator Academic records coordinator
Registration for classes Transfer credits Change of degree
objectives (CODOS) Re-entry applications
- Readmissions Withdrawals Curriculum and AGR schedule
deputy Course and curricula management Graduation
certification
- Agricultural faculty secretary
- Academic programs liaison - regional campuses and Indi-
ana colleges USDA employment opportunities reports and
career information
- College of Agriculture study abroad - academic manage-
ment



LORI PENCE BARBER

Assistant Director of Academic Programs
765-494-8470
lbarber@purdue.edu

- College of Agriculture Scholarship Administrator
- Coordinate University Merit Scholarship Program for the
College of Agriculture
- Coordinate College wide Scholarships
- Career Services Coordinator
- Pre-Veterinary Medicine And Interdisciplinary Agriculture
Advisor
- Public Policy Washington DC Summer Internship Program
Coordinator
- Liaison to the Division of Financial Aid

www.ag.purdue.edu/oap

Programs Contacts



TRACIE EGGER

Assistant Director of Academic Programs

765-494-8470

tegger@purdue.edu

- Coordinator for Recruiting/Retention Efforts for the College of Agriculture
- Leadership Development Certificate Program Manager
- Agriculture Ambassador Program Coordinator
- Academic Advisor for Pre-Veterinary Medicine Students
- Liaison to the Office of Admissions for the College of Agriculture
- Purdue Recruitment Council Member
- Coordinator for Prospective Students' College Visits (For College of Agriculture and through the Office of Admissions)
- STAR (Beginning and transfer student orientation - June)
- Fall Preview Days, Introducing Purdue, Purdue's for Me Programs (Spring)
- Golden Honors Day – Admitted students
- National FFA Liaison
- Introduction to Purdue Academic Programs (Gs 119) Coordinator



TIM KERR

Assistant Director for Academic Excellence

(765) 494-8470

kerrtp@purdue.edu

- Pre-Veterinary Medicine Program Representative
- Pre-Veterinary Medicine Liaison to College of Veterinary Medicine
- Pre-Veterinary Medicine and Interdisciplinary Agriculture Academic Advisor
- Honors, Dean's Scholars, and Undergraduate Research Coordinator
- College of Agriculture Liaison to Honors College
- Undergraduate Research and Poster Symposium, College of Agriculture Coordinator
- College of Agriculture Regional and State Science Fair Coordinator

www.ag.purdue.edu/oap

Programs Contacts



ANNELIESE KAY

Assistant Director of Transfer and
Dual-Credit Academic Programs
765-494-8470
kaya@purdue.edu

- Transfer and Dual Credit
- Pathway to Purdue
- Articulation and Relationships with Ivy Tech, Regional Purdue, Vincennes, Other Universities as needed
- Retention and Academic Success Program

www.ag.purdue.edu/oap

Student Enrichment Programs

CONTACT INFORMATION

College of Agriculture Scholarship Information

A number of scholarships for undergraduate students enrolled in the College of Agriculture are made available through the generous support of alumni and friends of the College. The College of Agriculture recognizes scholastic achievement as well as qualities of leadership, citizenship, character and FFA/4-H participation.

LORI PENCE BARBER

Assistant Director of
Academic Programs
lbarber@purdue.edu

For the 2011-2012 academic year we were able to award 705 scholarships to students. The total amount awarded was \$869,736. If you combine this total with the departments total scholarships awarded, we offered over 1.5 million dollars to our students.

Students must apply **annually** to be considered for scholarships offered through the college.

- Online Scholarship Application is made available by mid-December.
<http://www.ag.purdue.edu/oap/pages/scholarships.aspx>
- Deadline to Apply for Scholarships is **February 1**.

Honors Program Options

CONTACT INFORMATION

Dean's Scholars

The Dean's Scholars Program began in fall 2005 to fill the need for an early-entry honors program for top students. There are currently 150 College of Agriculture students enrolled in the program.

TIM KERR

Assistant Director for
Academic Excellence
(765) 494-8470
kerrtp@purdue.edu

Admission Criteria Currently admission offered based on scholastic achievement (sat 1800/act 27 and GPA 3.8 or higher) Students offered admission may opt in or not

Continuing students with at least 60 credits remaining and a 3.5 or greater may apply to the program

Program Requirements

- Complete 12 hours of honors coursework (several options to fulfill)
- Enroll in AGR 101, honors agriculture orientation course
- Participate in 8 Dean's Scholars activities
- Have included retreat, research sessions, reception with the dean, activities in conjunction with distinguish agricultural alumni, etc.
- Maintain 3.25 or greater GPA after enrollment—otherwise put on "probation" for a semester

- Complete independent research or design project
- Complete at least 15 credits each semester

Agriculture Honors Program

- Primarily for continuing students who are not in the Dean's Scholars Program, Transfer Students, or students who decide late to complete Honors Project
- Must have 3.25 GPA to apply (3.0 in successive semesters)
- Complete a research or design project
- Departments may require additional requirements
- Receive Honors Program in Agriculture designation at graduation

CONTACT INFORMATION

TIM KERR

Assistant Director for
Academic Excellence

(765) 494-8470

kerrtp@purdue.edu

University Honors Program

- Admit 140 incoming students for each fall with a few sophomores admitted
- Complete 24 credits of honors
- Maintain 3.6 or greater GPA
- Will receive university honors diploma at graduation
- Compete for prestigious fellowships and scholarships

If you have students who are interested in one of the honors programs or who you think might be a candidate please refer them to Tim Kerr, Assistant Director for Academic Excellence, 765-494-8470 or to his or her departmental representative.

Honors College

In July of 2011, the Purdue University Board of Trustees approved a proposal from the Provost to unify and transform Purdue's existing College and University Honors Programs into an Honors College. Since then, an Honors College Task Force was developed to lend guidance to the formation of the Honors College at Purdue. Members of this task force include faculty, staff and students from all academic areas on campus. The nominees were assigned to one of the following working groups: Faculty Involvement; Curricula; Recruitment & Admissions; Residential Life; Undergraduate Scholarships; and Post-graduate Fellowships & Scholarships. The task force developed and submitted recommendations for the structure of the new Honors College in the Fall of 2011. A faculty Governance Committee with representation from each college/school is currently being formed and will finalize the structure in advance of the 2013 inauguration of the Honors College.

College of Agriculture Career Development

CONTACT INFORMATION

LORI PENCE BARBER

Assistant Director of
Academic Programs
lbarber@purdue.edu

Since 1979, the College of Agriculture has hosted a Career Fair. The Career Fairs provide recruiters the opportunity to educate students about their organization, advertise positions and/or interview students for full-time employment or internships. Over the years, participation and attendance has grown. The Fall Career Fair in 2011 had 122 companies participating and 1181 College of Agriculture students in attendance. The Spring Career Fair had 66 companies and 225 College of Agriculture students in attendance. The college hosts a fall career fair the first Tuesday in October. The Spring Career Fair is held in February. In addition, more than 80 percent of the companies that attend the Career Fairs are recruiting for internship positions in addition to permanent positions.

The Career Fairs are not just for graduating undergraduate students; it is for [all](#) students (undergraduate and graduate) in the College of Agriculture. The Career Fair is a great way to explore careers, network and become knowledgeable about the Agriculture industry.

The evening before the Fall Career Fair, the College hosts an Employer Panel Discussion. About 10-12 employers from various agriculture professions provide students valuable information regarding: making yourself more marketable, resumes, interviewing, networking, internships and career development opportunities to take advantage of.

www.ag.purdue.edu/oap

Undergraduate Research

With or without funding, many undergraduates participate in research or develop innovative projects. Our expectation is that many of these students will participate in the Undergraduate Research and Poster Symposium held each spring. The April 9, 2013 event is hosted by the Colleges of Agriculture, Engineering, Science and Technology. Last year, about 120 students, or student groups, showcased a wide variety of research and design projects.

Although we hope that all student researchers participate, those required to do so are College of Agriculture Honors or Dean's Scholars students (presenting at least once) and students in receipt of the Agricultural Research Program scholarships. Those whose faculty mentors received the Office of Academic Programs \$500 mini-grants (see next section) also should plan to participate.

Every undergraduate in the College of Agriculture has the opportunity to engage in research and is encouraged to do so. Undergraduates may apply for the following funding opportunities. Neither has a minimum GPA requirement.

Request for Research Funding

Since extra costs are often incurred when a professor adds an undergraduate researcher, the Office of Academic Programs offers \$500 to support professors. The student applies on behalf of the professor for one of these mini grants.

To learn more, please visit:

https://ag.purdue.edu/oap/pages/undergrad_research.aspx

CONTACT INFORMATION

TIM KERR

Assistant Director for
Academic Excellence

(765) 494-8470

kerrtp@purdue.edu

www.ag.purdue.edu/oap

The College of Agriculture Public Policy Washington D.C. Summer Internship Program

The College of Agriculture Public Policy Washington D.C. Summer Internship Program was established in 2005. The Program's mission is to enhance undergraduate education, allow students to see and take an active role in agriculture policy impacting our national, our state and local entities, increase Purdue Agriculture visibility in the nation's capital and link Washington, D.C. alumni with our students and campus. Students intern in placements that reflect their particular areas of academic and career interests. Internship opportunities abound in our nation's capital. From legislative internships on Capitol Hill to positions with think tanks, associations, organizations, and advocacy groups, there is truly something for everyone. This program allows students access to challenging and unique internships, which in turn provide them with professional experiences and networking contacts. All majors within the College of Agriculture are welcome to apply. This is a transformational experience that will change the student in personal and professional development.

The program consists of:

- Fall recruitment and selection of students
- Winter matching students with placements
- Spring orientation session on campus
- Summer 8 -10 week placements
- Summer information sessions for students while in DC
- Fall enrollment in an independent Study to receive academic credit for internship

For more information about the program, please visit the website:

http://www.ag.purdue.edu/oap/Pages/dc_summer_internship.aspx

CONTACT INFORMATION

LORI PENCE BARBER

Assistant Director of
Academic Programs
lbarber@purdue.edu

www.ag.purdue.edu/oap

The Leadership Development Certificate Program

CONTACT INFORMATION

TRACIE M. EGGER, Ph.D.

Assistant Director of
Academic Programs

765-494-8470

tegger@purdue.edu

The Leadership Development Certificate Program (LDCP) was developed to provide a structured framework through which undergraduate students in the College of Agriculture can enhance their leadership skills. It is a not-for-credit, voluntary program to grow a student's leadership abilities. It is assumed that each student will come into the program with different leadership experiences, abilities, interests, and levels of development. Some of the students have been leaders in high school and are leaders here on campus. Some of the students may not see themselves as a leader. This program is intended to be flexible and to accommodate each student's individual goals in leadership, starting with where they are and growing in the direction that fits their interests.

Who is Eligible for the Program?

The Leadership Development Certificate Program is available to all students enrolled in the College of Agriculture who meet the following requirements:

1. A minimum of 30 graded credit hours completed at a post-secondary institution towards their degree program prior to entering the Leadership Development Certificate Program.
2. At least four semesters remaining in their degree program prior to entering the Leadership Development Certificate Program.
3. Good academic standing. It is expected that the students will remain in good academic standing throughout the program.

Expectations of the Student

The various requirements for the Leadership Development Certificate Program are as follows:

1. **Submit Statement of Intent Form with a Resume:** This is the first step in being admitted into the Leadership Development Certificate Program.
2. **Select a Coach:** A list of qualified coaches can be obtained from the Leadership Development Certificate Program office, in Room 121 of the Agricultural Administration Building.
3. **Complete a Leadership Skills and Attributes Self-Assessment:** All participating students will complete a self-assessment.

www.ag.purdue.edu/oap

4. **Complete a Personal Development Plan:** Following completion of a self-assessment, you will complete a Personal Development Plan. This will include establishing self-improvement goals in at least four of the eleven leadership skills and attributes. Personal growth is expected in all eleven skills and attributes and to be reflected in the portfolio.
5. **Participate in On-Campus University Recognized Group Experiences:** You are expected to be an active participant in two non-classroom group or team experiences for at least one semester, contributing to the goals of that group and documenting those experiences and growth in the portfolio.
6. **Participate in an Off-Campus Community Group Experience:** You are expected to be an active participant and contribute to the goals of at least one off-campus, non-university recognized, community group for at least one semester. Growth in the leadership skills and attributes must be documented in the portfolio through involvement in positions of employment and civic organizations, mission programs, international experiences, or other activities.
7. **Participate in Leadership Programs and Workshops:** You will participate in a minimum of two College of Agriculture-sponsored leadership programs and workshops. In addition, you must participate in an additional two leadership programs, either on or off campus. The leadership experienced (reflection) from the four programs will be documented in the portfolio.
8. **Complete Six Credit Hours of Academic Course Offerings:** Documentation of growth in the leadership skills and attributes areas will be required through at least six credit hours of academic course offerings. All courses included must be justified and you must indicate how each course applies to your personal development plan and the four major self-improvement goals. NOTE: The courses do not have to have “leadership” as the main focus but you must justify to your coach the course’s relevance.
9. **Develop a Portfolio:** Working with a leadership coach, you will develop a portfolio that documents your progress on the four major self-improvement goals identified in your personal development plan as well as personal growth in all leadership skills and attributes.

What is a Coach?

A coach is not specifically an academic advisor who counsels students on their academic career at Purdue. A coach will be someone else and his/her role is very different. A coach in this program is a College of Agriculture faculty or administrative professional staff member who has completed the Coach’s Training Workshop. His/her role is to support, encourage, and guide students in their leadership development program. He/she will offer feedback on the student’s Personal Development Program, help them identify ways to meet their leadership goals, review their leadership experiences and assist them in completing the requirements of the program.

Undergraduate Student Recruitment

High school seniors should apply to Purdue as early as possible (August-October).

Purdue will begin releasing admission decisions for fall applicants after 5 p.m. Eastern on December 7, 2012. Students who complete their application by October 15, are guaranteed to have a decision by December 7.

November 15 is the admission application deadline for some academic programs as well as for maximum consideration for all Purdue scholarships.

Freshman Deadlines for 2013

- **October 15:** first notification guarantee – applications that are complete (all required material received) by this date are guaranteed to have a decision on December 7.
- **November 15:** firm* application deadline for nursing and veterinary technology
- **November 15:** firm* application deadline for Purdue scholarship consideration
- **March 1:** priority* application deadline for all academic programs other than those noted in November 15 deadlines

Completing the freshman application - To meet the freshman application deadline: applications must be complete - all required material received or postmarked by the deadline. For those who will be first-time freshmen, required material includes: submitted online application, application fee (or qualified fee waiver), high school transcript, SAT or ACT test score (including writing; test scores must be sent electronically from testing agency).

We will begin releasing decisions in December. After this, new decisions are released daily.

For all transfer applicants and any applicants applying for spring enrollment, decisions are released on a rolling basis beginning in early September.

CONTACT INFORMATION

TRACIE M. EGGER, Ph.D.

Assistant Director of
Academic Programs

765-494-8470

tegger@purdue.edu

www.ag.purdue.edu/oap

Transfer Applicants (Including Purdue Regional Campus Transfers)

CONTACT INFORMATION

ANNELIESE KAY

Assistant Director of Transfer and
Dual-Credit Academic Programs
765-494-8470
kaya@purdue.edu

Transfer Deadlines for the College of Agriculture

- Summer Enrollment: April 1
- Fall Enrollment: July 1
- Spring Enrollment: November 1

To meet the transfer application deadline: applications must be complete - all required material received or postmarked by the deadline. Required material includes: online application, application fee, transcripts for all college coursework completed at the time of application; final high school transcript (unless applicant has a bachelor's degree); SAT or ACT test score (unless applicant has completed at least 24 college semester credit hours; test scores must be sent electronically from testing agency).

Some programs may close to transfer applicants before the application deadline. Therefore, transfer students are advised to apply as early as possible. Review the closed programs web page prior to submitting an application.

Admission Decisions

For freshmen applying for summer and fall 2013 enrollment, Purdue will begin releasing decisions in December. After this, new decisions are released daily.

For all transfer applicants and any applicants applying for spring enrollment, decisions are released on a rolling basis beginning in early September.

Offer of Acceptance

To enroll at Purdue, admitted [students must accept their offers of admission](#) by the following dates.

- Fall term – students admitted by April 10 must accept their offer by May 1. Those admitted after April 10 have three weeks to accept.
- Spring term – students admitted by December 1 must accept their offer by December 15. Those admitted after December 1 have until the start of the term to accept.
- Summer term – students admitted by May 1 must accept their offer by May 15. Those admitted after May 1 must accept by the start of the term.

Financial Aid

March 1 is the priority deadline for students to file a Free Application for Federal Student Aid (FAFSA) for aid awarded for the upcoming academic year. Students who meet this deadline will receive award letters in early April.

On-Campus Housing

Students admitted for fall must apply for on-campus housing by May 5. Students who apply after this date will receive housing assignments if space remains available.

Registration and Orientation Programs

The Office of Student Access Transition and Success (SATS) oversees registration and orientation programs for new Purdue students. New undergraduate students enrolling during the fall semester are required to attend a Summer Transition, Advising, and Registration (STAR) program during the summer prior to enrollment. Visit the SATS website for more information about STAR and all new student orientation programs.

2012-2013 Career Services Coordinators for Purdue University

CENTER FOR CAREER OPPORTUNITIES – Stephanie Farlow, stepanie@purdue.edu

COLLEGE OF AGRICULTURE - Lori Pence Barber, lbarber@purdue.edu

ACADEMIC DEPARTMENTS AND PROGRAMS

Agricultural & Biological Engineering - Yvonne Hardebeck, hardebey@purdue.edu

Ag Communication – Abigail Borron, aborron@purdue.edu

Agricultural Economics – Andrew Oppy, aoppy@purdue.edu

Agricultural Education – Daniel Gottschalk, dgott@purdue.edu

Agronomy – Lee Schweitzer, lschweit@purdue.edu

Animal Sciences – Barry Delks, delks@purdue.edu

Biochemistry – Joseph Ogas, ogas@purdue.edu

Botany & Plant Pathology – Tyson McFall, tjmcfall@purdue.edu

Entomology – Jonathan Neal, jneal@purdue.edu

Food Science – Gwen Shoemaker, gwen@purdue.edu

Forestry & Natural Resources – Shelly Opperman, sopperman@purdue.edu

Horticulture & Landscape Architecture – Robin Tribbett, tribbett@purdue.edu

Natural Resources & Env. Science – John Graveel, jgraveel@purdue.edu and

Jane Wiercioch, jwiercioch@purdue.edu

College of Agriculture Student Organizations

View Online: http://www.ag.purdue.edu/oap/Pages/student_organizations.aspx

2011 Employment Summary

May 2011 graduates in the Purdue University College of Agriculture were fortunate to experience greater success in the employment market – especially during the current economic market. Eighty-six percent of those graduated had already gained employment or were continuing in education as of February 1, 2012. This represents an increase of a whole percentage point. Our May graduates acquired post-graduation internships; these positions were sought by four percent of all graduates of the College. Of the May graduates, twenty-three percent continued in programs of education – an increase of one percent. Of these, fifty-one enrolled in graduate schools and thirty-three in professional ones.

Very few majors in the College are facing challenges in job placement because of the economic conditions. There was a decrease of two percent in the number of students still seeking employment. Sixty-seven of our May graduates are employed here in Indiana. The reported 2010-2011 average of starting salaries for graduates in Food, Agriculture, Life Sciences, and Natural Resources is found in Table 3.

TABLE 1: POST-GRADUATION ACTIVITIES OF FOOD, AGRICULTURE, LIFE, AND NATURAL RESOURCES GRADUATES, COLLEGE OF AGRICULTURE, PURDUE UNIVERSITY

	2007	2008	2009	2010	2011
MAY GRADUATES					
Number of Graduates	361	314	342	399	416
Percent Reporting Activities	90%	93%	90%	97%	94%
POST GRADUATION ACTIVITIES					
Employed	64%	69%	48%	55%	59%
Continuing Education	25%	24%	28%	22%	23%
Not Seeking Employment	1%	0%	2%	1%	2%
Seeking Employment	10%	7%	15%	14%	12%
Employed Internship ¹	-	-	7%	8%	4%

¹Employed Internship – accepting an internship position when a full-time job could not be found in a tepid economy. A way for young professionals to get their foot in the door of an organization.

TABLE 2: EDUCATIONAL PROGRAM ENROLLMENT OF FOOD, AGRICULTURE, LIFE, AND NATURAL RESOURCES GRADUATES, COLLEGE OF AGRICULTURE, PURDUE UNIVERSITY*

	2007	2008	2009	2010	2011
Graduate Schools	11%	15%	17%	16%	14%
Professional Schools	7%	6%	9%	7%	8%
Undergraduate Programs	3%	1%	3%	1%	0%
Total	25%	24%	28%	22%	23%

* Graduates include baccalaureate degree recipients.

TABLE 3: 2010-2011 REPORTED AVERAGE STARTING SALARY SUMMARY OF FOOD, AGRICULTURE, LIFE, AND NATURAL RESOURCES GRADUATES ¹

Agricultural and Biological Engineering	\$42,356
Agricultural Economics	\$42,026
Agronomy	\$40,246
Animal Sciences ²	\$33,757
Biochemistry/Botany & Plant Pathology/Entomology ²	\$34,784
Food Science	\$43,953
Forestry & Natural Resources/Natural Resources & Environmental Sciences	\$30,322
Horticulture	\$32,905
Landscape Architecture ³	\$42,561
Youth Development and Agricultural Education	\$38,139
All Programs	\$38,104

¹Salary information was collected from December 2009 and May 2010 undergraduates from Purdue University – College of Agriculture and the following universities: Auburn University – College of Agriculture; Clemson University – College of Agriculture, Forestry, and Life Sciences; Colorado State University – Warner College of Natural Resources and College of Agricultural Sciences; Iowa State University – College of Agriculture and Life Sciences; Michigan State University – College of Agriculture and Natural Resources; The Ohio State University – College of Food, Agricultural and Environmental Sciences; Oklahoma State University – College of Agricultural Sciences and Natural Resources; Texas A&M University – College of Agriculture and Life Sciences; University of Florida – College of Agricultural and Life Sciences; University of Illinois – College of Agricultural, Consumer and Environmental Sciences; University of Missouri – College of Agriculture; Food and Natural Resources; University of Nebraska – College of Agricultural Sciences and Natural Resources; University of Wisconsin – College of Agricultural and Life Sciences. The comprehensive report can be viewed on the Purdue Agriculture Career Services website: [http://www.ag.purdue.edu/oap/career/Documents/2010%20\(Gaul\)%20Regional%20Salary%20Survey.pdf](http://www.ag.purdue.edu/oap/career/Documents/2010%20(Gaul)%20Regional%20Salary%20Survey.pdf). The comprehensive report includes low to high salary ranges and organizations hiring students in the above disciplines. Salary data does not include associated compensation such as medical plans, retirement contributions, bonuses, etc.

²Many graduates go on to graduate or professional schools.

³Landscape Architecture is one major not represented in the above salary summary report because not all institutions have a Landscape Architecture program. The mean salary (4 year average) is based on graduates' selfreports to the College of Agriculture Career Services and Horticulture and Landscape Architecture Department at Purdue University.

TABLE 4: UNDERGRADUATE STUDENT ENROLLMENTS, PROGRAMS OF STUDY

PURDUE AG ENROLLMENTS, PROGRAMS	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	DEPT
ENROLLMENTS IN B.S. (4 Yr) Majors												
Agribusiness Management	87	99	92	98	106	137	141	159	178	179	179	AGEC
Agricultural & Biological Engineering	52	45	38	34	52	66	90	68	53	43	0	ABE
Agricultural & Natural Resource Engineering (New - 2011)											20	ABE
Agricultural Communication	40	35	35	42	46	37	30	33	34	31	36	YDAE
Agricultural Economics	148	136	133	126	124	138	137	160	164	164	170	AGEC
Agricultural Education	96	83	88	78	97	92	89	80	90	88	73	YDAE
Agricultural Engineering (New - 2011)											26	ABE
Agricultural Finance	7	14	10	11	12	13	20	16	14	20	18	AGEC
Agricultural Systems Management	98	94	109	113	106	106	98	107	108	120	113	ABE
Agronomic Business & Marketing	20	18	19	21	20	23	19	33	24	19	19	AGRY
Animal Agribusiness	63	67	67	81	92	94	83	81	60	55	67	ANSC
Animal Production	45	52	50	34	38	41	43	41	36	34	26	ANSC
Animal Products	3	4	8	4	4	3	1	3	4	5	6	ANSC
Animal Science	276	251	308	344	387	388	414	465	479	508	518	ANSC
Applied Meteorology	5	8	8	9	6	9	10	18	17	16	15	AGRY
Biochemistry	41	36	50	68	85	79	90	99	105	106	102	BCHM
Biological & Food Process Engineering	43	47	39	39	40	38	44	45	73	96	105	ABE
Crop Protection (Discontinued - 2005)	4	3	3	2	2	2	2	1	0	0	0	BTNY/ENTM
Culinary Science (New - 2008)								0	0	1	1	FS
Entomology	20	17	16	34	39	46	45	34	28	33	34	ENTM
Environmental & Natural Resource Engineering (New - 2011)											22	ABE
Environmental Plant Studies (New - 2000)	1	5	5	6	5	4	6	11	12	12	15	BTNY
Environmental Soil Science	2	2	3	6	4	2	0	2	1	2	1	AGRY
Farm Management	37	31	36	28	31	30	32	37	25	19	14	AGEC
Fisheries & Aquatic Sciences	44	53	43	40	44	33	24	23	14	23	25	FNR
Food Industry Marketing & Management	15	19	15	14	8	9	5	11	12	11	14	AGEC
Food Manufacturing Operations	9	11	12	11	9	4	6	12	15	14	10	FS
Food Science	113	103	100	107	101	118	129	117	117	144	154	FS
Forest Products (Discontinued - 1997)	1	0	0	0	0	0	0	0	0	0	0	FNR
Forestry	62	61	68	65	58	48	53	53	51	53	39	FNR
Horticultural Production and Marketing	39	38	40	30	25	24	19	21	19	20	22	HLA
Horticultural Science	11	13	12	7	12	9	12	11	13	15	18	HLA
Interdisciplinary Agriculture	86	92	83	46	36	32	31	21	16	11	13	OAP
International Agronomy	2	1	2	1	1	1	3	2	4	5	5	AGRY
Landscape Architecture	75	71	81	111	115	115	113	111	120	102	92	HLA
Landscape Horticulture & Design	125	128	106	108	103	87	79	74	61	50	51	HLA
Natural Resources (Discontinued - 2007)	25	21	27	19	15	10	8	3	1	2	0	FNR
Natural Res. & Environmental Science	82	71	59	52	51	47	40	59	62	72	93	INTERDEPT
Natural Resources Planning & Decision Making (New - 2007)							3	9	9	11	11	FNR
Plant Biology/Plant Science	8	8	7	8	13	16	17	16	10	11	14	BTNY
Plant Genetics & Plant Breeding	17	8	8	5	9	15	13	19	18	17	19	AGRY
Public Horticulture	13	15	13	8	5	3	5	6	7	10	11	HLA
Quantitative Agricultural Economics	3	1	2	2	3	2	2	3	3	5	3	AGEC
Sales & Marketing	38	32	34	40	37	53	55	53	76	60	62	AGEC
Soil & Crop Management	29	29	32	34	31	30	26	21	22	26	29	AGRY
Soil & Crop Science	17	13	11	8	12	14	17	14	14	16	23	AGRY
Turf Science	75	86	76	70	58	58	61	58	51	52	39	AGRY
Urban & Ind. Pest Control (Discont. - 2011)	3	2	0	1	2	0	1	1	1	0	0	ENTM
Wildlife	127	124	117	115	134	141	136	151	204	219	223	FNR
Wood Products Manuf. Technology	9	11	7	6	6	6	3	4	3	3	4	FNR
Subtotal: Enrollments in B.S. (4 Yr) Majors	2116	2058	2072	2086	2184	2223	2255	2366	2428	2503	2554	
ENROLLMENTS IN A.S. (2 Yr) Majors												
Agricultural Economics (Associate)	1	5	5	3	3	3	0	1	2	2	2	AGEC
Agricultural Systems Management (Associate)	1	1	2	2	0	0	1	0	0	0	0	ABE
Agronomy (Associate)	5	5	5	2	4	0	4	1	2	0	1	AGRY
Animal Sciences (Associate)	2	4	2	2	3	0	1	2	2	2	1	ANSC
Horticulture (Associate)	5	4	3	3	3	2	6	3	2	1	2	HLA
Interdisciplinary Agriculture (Associate)	6	0	1	2	2	1	1	0	0	0	2	OAP
Subtotal: Enrollments in A.S. (2 Yr) Majors	20	19	18	14	15	6	13	7	8	5	8	
ENROLLMENTS IN NON-DEGREE Majors												
Pre-Agricultural and Biol. Engineering	47	75	54	43	47	39	30	43	59	76	61	ABE
Pre-Environmental Studies (New - 2007)	0	0	0	0	0	0	5	5	6	7	8	INTERDEPT
Pre-Landscape Architecture	78	91	94	59	57	52	48	51	40	33	28	HLA
Pre-Veterinary Medicine	191	182	153	136	123	128	127	63	34	51	28	OAP
Subtotal: Enroll. in Non-Degree Majors	316	348	301	238	227	219	210	162	139	167	125	
TOTAL	2452	2425	2391	2338	2426	2448	2478	2535	2575	2675	2687	

Revised: Allan Goecker 7/20/2012, JM Fernandez 7/30/2012

TABLE 5: UNDERGRADUATE DEGREES AWARDED BY MAJOR

PURDUE AG DEGREES, BY PROGRAMS OF STUDY	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	DEPT
B.S. (4 Yr) DEGREES (Fa, Sp, Su)												
Agribusiness Management	17	12	20	16	18	18	21	20	30	40	57	AGEC
Agricultural & Biological Engineering	12	19	20	9	13	8	18	22	18	27	7	ABE
Agricultural & Natural Resource Engineering (New-2011)											1	ABE
Agricultural Communication	7	7	11	11	6	10	15	4	11	11	10	YDAE
Agricultural Economics	46	49	47	42	37	38	37	35	40	52	50	AGEC
Agricultural Education	14	21	11	20	16	17	10	15	18	14	16	YDAE
Agricultural Engineering (New-2011)											5	ABE
Agricultural Finance	2	4	2	2	4	3	2	6	5	7	6	AGEC
Agricultural Systems Management	20	29	20	27	31	29	28	21	23	27	29	ABE
Agronomic Business & Marketing	10	4	7	2	6	3	7	3	7	4	8	AGRY
Animal Agribusiness	20	20	26	16	23	29	29	27	29	22	23	ANSC
Animal Production	17	8	9	13	7	8	6	6	11	5	12	ANSC
Animal Products	2	1	0	3	0	0	2	0	2	3	1	ANSC
Animal Science	47	59	44	55	43	61	61	68	53	73	77	ANSC
Applied Meteorology	1	0	2	0	1	2	0	0	1	3	0	AGRY
Biochemistry	12	12	7	13	5	16	12	16	20	16	29	BCHM
Biological & Food Process Engineering	13	11	13	16	10	14	16	17	15	12	12	ABE
Crop Protection (Discontinued-2005)	2	3	0	0	1	0	0	1	1	0	0	BTNY/ENTM
Culinary Science (New-2008)	0	0	0	0	0	0	0	0	0	0	0	FS
Entomology	3	6	2	3	4	2	11	14	10	4	10	ENTM
Environmental & Natural Resource Engineering (New-2011)											9	ABE
Environmental Plant Studies (New-2000)	0	0	0	0	1	2	1	1	3	4	2	BTNY
Environmental Soil Science	2	1	1	0	2	3	0	0	2	0	0	AGRY
Farm Management	6	11	8	9	11	6	2	9	10	11	5	AGEC
Fisheries & Aquatic Sciences	4	8	13	8	12	10	9	6	6	5	6	FNR
Food Industry Marketing & Management	4	3	5	3	4	3	4	1	1	5	2	AGEC
Food Manufacturing Operations	5	5	4	3	4	3	4	1	3	2	3	FS
Food Science	31	28	24	21	27	20	29	32	23	29	33	FS
Forest Products (Discontinued-1997)	0	1	0	0	0	0	0	0	0	0	0	FNR
Forestry	18	16	15	13	5	20	10	13	5	9	10	FNR
Horticultural Production & Marketing	12	10	6	14	8	4	7	6	5	4	5	HLA
Horticultural Science	5	2	3	1	2	2	0	2	4	3	1	HLA
Interdisciplinary Agriculture	22	21	11	19	22	12	16	11	7	7	7	OAP
International Agronomy	0	1	0	0	0	0	0	0	0	0	1	AGRY
Landscape Architecture	25	30	21	25	22	28	32	23	25	30	29	HLA
Landscape Horticulture & Design	21	26	32	24	20	20	23	13	15	16	13	HLA
Natural Resources (Discontinued-2007)	3	2	3	2	5	3	1	3	2	0	0	FNR
Natural Resources & Environ. Science	36	25	30	19	17	14	16	9	9	11	15	INTERDEPT
Natural Resources Planning & Decision Making (New-2007)			0	0	0	0	0	0	0	2	2	FNR
Plant Biology/Plant Science	3	0	1	3	1	1	3	2	5	5	5	BTNY
Plant Genetics & Plant Breeding	1	6	2	6	0	0	1	2	3	7	3	AGRY
Public Horticulture	4	3	3	8	2	3	1	0	1	2	0	HLA
Quantitative Agricultural Economics	2	2	0	2	0	0	0	1	1	0	2	AGEC
Sales & Marketing	10	9	10	7	9	2	13	20	13	21	11	AGEC
Soil & Crop Management	16	4	7	7	13	8	5	9	5	7	7	AGRY
Soil & Crop Science	3	4	3	3	0	3	1	3	3	1	2	AGRY
Turf Science	18	11	15	26	15	12	8	13	12	9	10	AGRY
Urban & Industrial Pest Control	0	0	1	0	0	1	0	0	0	1	0	ENTM
Wildlife	20	19	22	28	25	21	27	29	18	31	23	FNR
Wood Products Manufacturing Tech.	1	0	2	3	1	1	4	0	1	0	1	FNR
Subtotal: B.S. (4 Yr) DEGREES	517	513	483	502	453	460	492	484	476	542	560	
A.S. (2 Yr) DEGREES (Fa, Sp, Su)												
Agricultural Economics (Associate)	5	2	8	8	5	5	8	3	4	9	9	AGEC
Agricultural Systems Mgmt. (Associate)	3	1	1	0	2	1	0	1	1	0	0	ABE
Agronomy (Associate)	6	9	12	12	19	15	12	14	23	19	27	AGRY
Animal Sciences (Associate)	2	4	5	6	2	6	3	6	2	4	5	ANSC
Horticulture (Associate)	4	7	2	5	3	2	1	4	3	1	1	HLA
Interdisciplinary Agriculture (Associate)	3	5	5	2	3	2	2	1	4	3	2	OAP
Subtotal: A.S. (2 Yr) DEGREES	23	28	33	33	34	31	26	29	37	36	44	
NON-DEGREE PROGRAMS												
Pre-Agricultural & Biological Engineering - Non-Degree	0		0	0	0	0	0	0	0	0	0	ABE
Pre-Environmental Studies - Non-Degree (New-2007)	0		0	0	0	0	0	0	0	0	0	INTERDEPT
Pre-Landscape Architecture - Non-Degree	0	0	0	0	0	0	0	0	0	0	0	HLA
Pre-Veterinary Medicine - Non-Degree	0	0	0	0	0	0	0	0	0	0	0	OAP
Subtotal: NON-DEGREE PROGRAMS	0	0	0	0	0	0	0	0	0	0	0	
TOTAL (4 Yr & 2 Yr) DEGREES AWARDED	540	541	516	535	487	491	518	513	513	578	604	

**TABLE 6: AG MINORS CONFERRED ANNUALLY BY THE COLLEGE OF AGRICULTURE
AT PURDUE UNIVERSITY (DEC. 2009-MAY 2012)**

Ag Minors Conferred Semesters	2009-10 Fa, Sp, Su	2010-11 Fa, Sp, Su	2011-12 Fa, Sp	TOTAL
Agricultural Systems Mgt	1	1	0	2
Animal Science	7	9	13	29
Crop Science	5	2	5	12
Entomology	2	4	3	9
Farm Management	10	12	28	50
Fisheries & Aquatic Sciences	4	0	4	8
Food & Agribusiness Mgmt	22	23	33	78
Food Science	3	2	2	7
Forensic Sciences	100	117	134	351
Furniture Design	0	1	3	4
Horticulture	9	15	3	27
Intl Studies in Agriculture	4	4	2	10
Natural Resources & Environ Sci	5	8	5	18
Pet Food Processing	0	0	0	0
Plant Biology	3	8	8	19
Plant Pathology	0	0	0	0
Soil Science	2	3	8	13
Sustainable Environments	0	0	1	1
Urban Forestry	1	3	1	5
Weed Science	0	1	1	2
Wildlife Science	1	8	13	22
Wood Products Manufac Tech	0	1	0	1
Grand Total	179	222	267	668

[Rev. 07-30-12; Allan Goecker & Marcos Fernandez]

TABLE 7. MINORS CONFERRED BY AG STUDENTS

MINORS CONFERRED BY AG STUDENTS	2009-10 FA SP SU	2010-11 FA SP SU	2011-12 ONLY FA & SP	TOTAL
Aerospace Studies	1	0	1	2
Agricultural Systems Mgt	1	1	0	2
Animal Science	5	5	6	16
Anthropology	2	5	2	9
Art & Design	6	3	0	9
Art & Design Studio	0	0	3	3
Asian American Studies	0	0	1	1
Biological Sciences	61	65	55	181
Biotechnology	1	0	0	1
Chinese	0	1	0	1
Classical Studies	1	0	1	2
Communication	9	5	1	15
Computer Science	0	0	1	1
Creative Writing	1	0	0	1
Crop Science	6	2	5	13
Dance	0	1	0	1
Economics	4	3	1	8
Earth & Atmospheric Sciences	0	0	1	1
English	4	2	2	8
Entomology	0	2	1	3
Environm & Ecological Engr	0	0	10	10
Environmental Politics & Policy	0	0	3	3
Farm Management	9	12	21	42
Fisheries & Aquatic Sciences	4	0	4	8
Food & Agribusiness Mgt	20	21	28	69
Food Science	1	0	0	1
Foods & Nutrition	0	0	1	1
Forensic Sciences	0	6	5	11
French	2	0	0	2
Furniture Design	0	1	1	2
German	4	0	0	4
History	6	3	3	12
Horticulture	8	15	2	25
Intl Studies in Agriculture	4	2	2	8
Law & Society	1	2	1	4
Management	0	1	2	3
Mathematics	0	0	0	0
Mechanical Engineering	1	0	0	1
Military Science & Leadership	1	0	0	1
Music History & Theory	1	0	0	1
Natural Resources & Environ Sci	4	7	4	15
Nutrition	0	1	1	2
Organizational Leadership	9	18	28	55
Pet Food Processing	0	0	0	0
Plant Biology	2	7	7	16
Plant Pathology	0	0	0	0
Political Science	4	3	3	10
Psychology	8	2	7	17
Sociology	4	4	1	9
Soil Science	1	3	9	13
Spanish	6	7	6	19
Statistics	0	4	0	4
Sustainable Environments	0	0	0	0
Theatre	0	1	0	1
Urban Forestry	1	3	1	5
Weed Science	0	1	1	2
Wildlife Science	1	5	11	17
Wood Products Manufact Tech	0	1	0	1
TOTAL	204	225	243	672

[Rev. 07-30-2012; Allan Goecker & Marcos Fernandez]

Purdue Extension

In Indiana, Purdue University was charged with the establishment of Cooperative Extension in 1906 by an act of the General Assembly. In the early years, the primary focus was on food production using improved technology and enhanced living through Home Economics. Although these areas remain an important focus of Purdue Extension, our current programs focus on a wide array of issues facing Indiana residents.

OUR MISSION - WE TRANSFORM LIVES AND LIVELIHOODS THROUGH RESEARCH-BASED EDUCATION.

For more detailed information about Purdue Extension, please go to www.extension.purdue.edu. Also, there is an intranet site "For faculty & staff" link at the bottom of this page that provides a wide array of information about Purdue Extension.



CONTACT INFORMATION

CHUCK HIBBERD

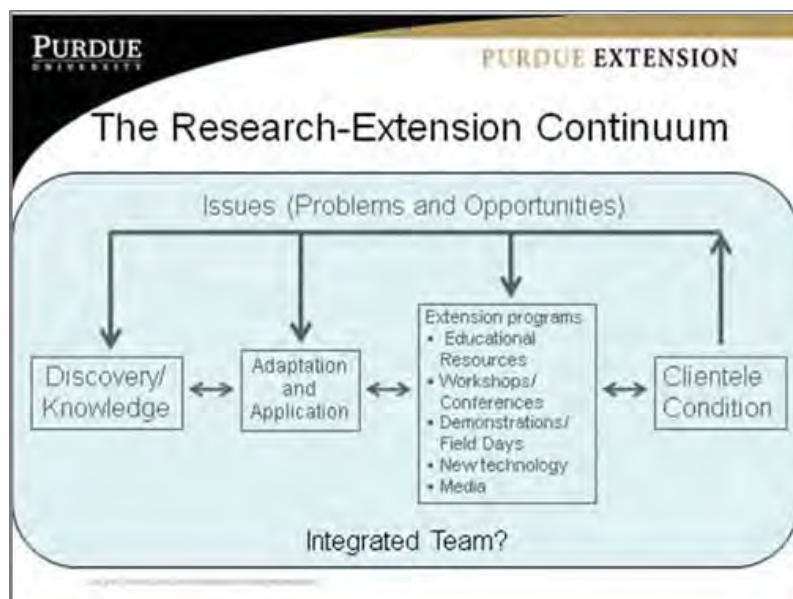
Associate Dean and Director
for Purdue Extension
(765) 494-8489
hibberd@purdue.edu

TERESA ROGERS

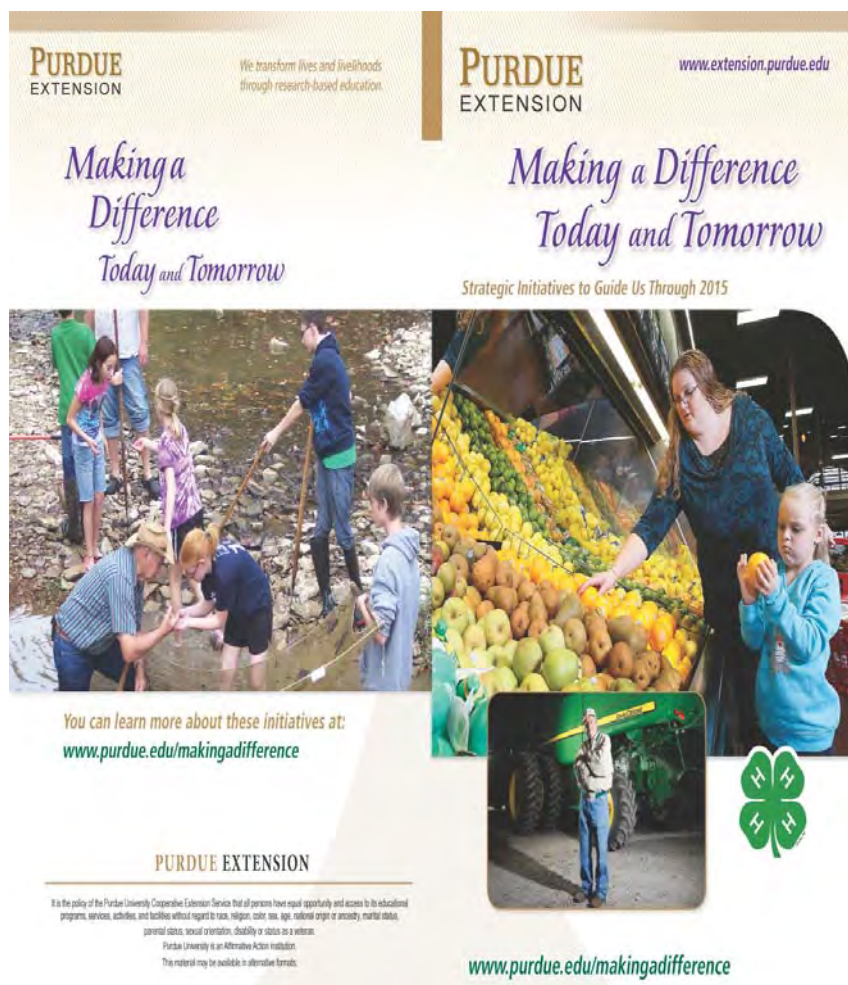
Administrative Assistant
(765) 494-8489
rogerstk@purdue.edu

The Research-Extension Continuum

Purdue University's strategic theme "Discovery with Delivery" is reflected in our commitment to research that solves real-world problems and is extended to Indiana residents through Extension. Extending research-based knowledge quickly and effectively through our Extension function helps stakeholders gain capacity to succeed. The Research-Extension Continuum illustrates this tight and critically important linkage.



www.ag.purdue.edu/extension



Purdue Extension Leadership Team

Purdue Extension is led by a group of committed professionals focused on the development and delivery of high-impact Extension programs.

ASSISTANT DIRECTORS

- Mike Manning, Extension Staff Development
- Scott Hutcheson, Economic & Community Development Programs
- Renee McKee, 4-H Youth Development Programs
- Jim Mintert, Agriculture & Natural Resources Programs
- Angie Abbott, Health & Human Sciences Programs

DISTRICT DIRECTORS

- Linda Aldridge, East
- Janet Allen, Southwest
- Walt Sell, Central
- Wayne Moore, Southeast
- Chris Gillam, Northwest

Plan of Work/Accountability Coordinator, TBA

4-H Resource Development Officer, Liz Ellis

Ag Communications liaison, Beth Forbes

Purdue University's Engagement Mission

Purdue believes in being a good neighbor. Through the Office of Engagement, the university uses its resources to address issues affecting the state's prosperity and quality of life. Areas of focus include economic development, P-12 education, community service and lifelong learning and scholarship of engagement.

We invite you to explore our Web site (<http://www.purdue.edu/engagement/>) to see how Purdue can be a partner with you or your organization, just as it is making a difference throughout Indiana. Wherever you are, Purdue is not far away. By working together, we can make Indiana an even more rewarding place to call home.

Note: All faculty in the College of Agriculture are encouraged to contribute to some aspects of Purdue's Engagement mission. Some faculty are specifically engaged in Extension work that delivers research-based information using our Purdue Extension network.

Extension In Your Department

All academic departments in the College of Agriculture develop and deliver Extension programs except Biochemistry. Approximately 120 faculty and 50 Administrative/Professional staff have Extension appointments. Many Extension faculty have joint appointments with research and/or teaching.

Extension Faculty can play a very important role in your department. For example,

- Extension faculty are typically well-connected with clientele providing the department a timely assessment of critical, emerging issues. Extension faculty can help a department anticipate important issues before they emerge leading to proactive solutions and rapid delivery.
- Many extension faculty conduct research and deliver teaching that supports the departmental mission.
- Extension faculty are tasked with translating research-based information into forms that clientele can use. This adds relevance to the research outputs of the department.
- Extension faculty produce scholarly work (<https://intranet.ag.purdue.edu/extension/internal/pages/extensionengagement.aspx>)

Extension Coordinators represent their department in the development of programs and strategies to address important issues. The Assistant Director for Agriculture & Natural Resources programs coordinates this group.

Each department also identifies a representative to the Extension Council tasked with identifying important issues and opportunities to help us move our Extension mission forward. The Director of Extension leads this Council. In 2010, the Extension Council framed a document that describes the Scholarship of Extension/Engagement (<http://intranet.ag.purdue.edu/extension/internal/Pages/ExtensionEngagement.aspx>). This document provides guidance to help new Extension faculty document their scholarship. In addition, it guides promotion and tenure committees as they assess the scholarly accomplishments of our faculty.

www.ag.purdue.edu/extension

Extension Across Indiana

Every Indiana county has an Extension office staffed with Extension Educators with Master's degrees in fields of study related to the most important issues in their county or region. A total of 275 Extension Educators develop and deliver high impact Extension programming using a variety of delivery methods (face-to-face, workshops, field days, conferences, web resources, etc.). In addition, county government provides clerical support staff and operating dollars to support the Extension program.

Go to www.extension.purdue.edu and click on County Offices to learn about our robust county-based Extension system.

Budget

Purdue Extension is supported by tax dollars provided by county, state and federal budgets. The total Extension budget:

State Funds	\$9,602,306
County Appropriation	\$16,868,450
Smith Lever (includes vet/HHS)	\$9,011,459

PCARET

Purdue CARET (Council for Agriculture Research, Extension and Teaching) is a group of over 250 private citizens committed to supporting Purdue Agriculture at local, state and federal levels. Armed with our Making a Difference reports (www.ag.purdue.edu/extension/makingadifference/) as well as their personal experiences with Purdue Agriculture, these committed volunteers help elected officials learn more about the value and impact of our work.

www.ag.purdue.edu/extension

Transformational Extension

At Purdue Extension, we continuously challenge ourselves to provide the highest quality educational experiences we can provide. To this end, we are committed to Transformational Extension, defined as a deliberate educational program, focused on an important issue, that results in a positive change in behavior or practice on the part of the target audience.

The following guidance helps us focus on creating Transformational Extension experiences:

- Choose real issues. An Issue is an unresolved question, problem or opportunity important to the residents of Indiana (and beyond). Use focus groups, surveys, demographics or other information to help us accurately identify real issues.
- Develop educational objectives for the project using the Logic model <http://www.ag.purdue.edu/extension/pdehs/Pages/default.aspx>.
- Clearly identify expected outcomes, the target audience and the method(s) of delivery.
- Acquire adequate resources to deliver the project
- This includes appropriate expertise, perhaps provided by a team
- Relevant educational resources either acquired or developed specifically for the project
- Great Extension programs cost money. To some extent, our budget can help defray the cost of Extension programming. We encourage Extension professionals to pursue grants, sponsorships and/or donations. In addition, our cost recovery model encourages Extension professionals to recover all of the direct costs of Extension programming by charging appropriate participation fees.
- Market your program effectively to the target audience.
- Consider the educational objectives and the target learners by delivering your program in a learner-centered environment.
- Assess outcomes (short, medium & long-term) to determine if you accomplished your program objectives. Share your program impact with others (www.ag.purdue.edu/extension/makingadifference/).

Extension professionals using the Transformational Extension programming model greatly enhance their ability to deliver high impact, research-based Extension programs.

www.ag.purdue.edu/extension

Issue-Based Action Teams (IBATs)

In an effort to enhance the quality and impact of our Extension programs, Issue-Based Action Teams (IBATs) were established in 2009 (<http://www.ag.purdue.edu/extension/collaborations/default.aspx>). IBATs are charged with developing and implementing innovative Extension education programs to respond to priority needs. To qualify as an IBAT, a team needs to:

- Clearly define an important issue using an advisory group or other information to validate the issue.
- Conduct a planning exercise resulting in a Logic Model.
- Develop new work products to support the team's efforts. New work products could be curricula, publications, websites, blogs, etc.
- Deliver program to appropriate geography. This is a very important perspective. Traditionally, we have delivered most Extension programming county by county. We suggest that the issue should define the geography. So, if the issue is water quality in the Wabash River, the Wabash River watershed becomes the geography. If the issue is gang violence in urban schools, our metropolitan communities become the geography. Regardless, IBATs are expected to deliver their Extension programs beyond the borders of a particular county.
- Develop and implement an assessment strategy and report results. Impact reports help us determine if our project and our methods are effective. In addition, elected officials benefit from knowing the value Extension provides as they work through the legislative process.

In summary, Purdue Agriculture is committed to the development and delivery of highly effective Extension programs. In doing so, we help assure that the residents of Indiana can quickly access research-based information that enhances their lives and livelihoods.

www.ag.purdue.edu/extension

Office of Multicultural Programs

Mission

The mission of the Office of Multicultural Programs is to assist the College of Agriculture in reaching strategic goals to “Become more Inclusive and Diverse,” by facilitating processes, programs, and policies that promote social justice and enhance cultural competence for students, faculty, staff, administrators and alumni.

Vision

Our vision is to position our College of Agriculture as a center of excellence that is nationally recognized as a higher education model for its practices, policies, and attitudes in the area of domestic diversity.

Philosophical Statement

We live in a global society that is becoming increasingly intertwined and interdependent. Demographic, cultural, technological, and economic changes are compelling us to live and work with a wide variety of people. In order to survive and thrive in this modern community means to understand that each of us as individuals is mutually connected to the other. Therefore, it is in our best interest to embrace diversity, develop cultural competencies, increase leadership capacities, and create inclusive spaces as a means of fully utilizing resource potential.

In the Office of Multicultural Programs diversity is comprehensively defined using two components: Diversity as characteristics that people possess and diversity as processes that help to build an inclusive community.

Diversity refers to the variety of backgrounds, lived experiences, and characteristics found among humankind; thus it embraces all aspects of human similarities and differences.

Diversity as process involves establishing relationships, policies, and procedures that support individuals and foster productive inclusive communities. This aspect of diversity will assist us in creating a culture that attains operational excellence while providing opportunities for individuals to reach their full potential.



CONTACT INFORMATION

PAMALA V. MORRIS

Assistant Dean of Agriculture
Director of Multicultural Programs
Associate Professor in Youth
Development & Ag Education
765-49-48293
pmorris@purdue.edu
AGAD 106

VICKI SHELL

Administrative Assistant
765-49-49586
vshell@purdue.edu

www.ag.purdue.edu/multicultural



What is MANRRS?

MANRRS is a national society that welcomes membership of people of all racial and ethnic group participation in agricultural and related sciences careers.

Mission:

"MANRRS promotes academic and professional advancement by empowering minorities in agriculture, natural resources, and

Membership:

- Over 1200 members
- 70 Chapters across the nation
- Present in 38 states

Student Benefits:

- Develop Professional Skills Gain Access to a Diverse Career Network
- Get Exposed to Top Employers Participate in the National Conference Activities
- Local Chapter Support



Provisions for Students

- Advising
- Mentoring
- Study Tables (Tutors)
- Service Learning
- Campus Involvement
- Community Service
- Leadership Training
- Professional Experience

Student Organizations

- MANRRS
- Jr. MANRRS
- NIFA/USDA Multicultural Scholars
- 21st Century Scholars
- Science Bound
- Pre/Professional Women in Ag
- MARC/AIM/SROP/SURF

Collaborations

- All 11 academic departments in the College of Agriculture
- Corporations: Dow AgroScience, Cargill, Elanco, Pioneer, John Deere, Crop Production Services
- The Office of Academic Programs for Recruitment and Retention
- Academic Boot Camp - A week crash course as an introduction to college life and to challenging freshman courses.
- Diversity Action Team for Agriculture (DATA)
- Diversity Committee - Serves as a clearing-house for extension diversity effort across Indiana

FEELS (Food, Environment, Engineering, and Life Sciences)

FEELS (Food, Environment, Engineering, and Life Sciences) Program to prepare you to excel in academic, industrial, and public sector careers through:

- A scholarship of up to \$10,000
- A FEELS annual 1-credit course
- Academic and Industrial Mentors' Support
- Academic research, industrial internships, and Study Abroad Programs
- Cultural and academic activities to facilitate your integration into college life
- A community to share these great experiences
- Other support activities

Multicultural Scholars Program

The purpose of the Multicultural Scholars training program is to recruit, retain, and graduate specific ethnic minorities and first generation students underrepresented in Agricultural Sciences. Our program goes beyond getting the student in the door- it also reflects and addresses the complex web of needs and concerns of today's competitive global marketplace. Grant funds would support a total of six students: four entering freshman; two transfer students from Ivy Tech Community College, Indiana's largest community college system, the two-year Vincennes University program and/or two year Tribal colleges. Each scholar receives an annual scholarship.

Key elements of the program include:

1. Recruitment in high minority populated areas throughout the state, across the country, and through existing pipeline programs designed specifically by Purdue to attract underrepresented students, e.g., the Hoosier Agribusiness Science Academy (HASA), a collaboration with Indiana's Secretary of Agriculture/Lt. Governor's Office. Recruitment will include parental involvement.
2. Scholars will participate in a unique multifaceted individualized mentoring program, guided by faculty and industry advisors. They will create a professional vision and 4 year strategic plan to achieve the vision.
3. Scholars will attend Academic Boot Camp (ABC), a rigorous summer transition program transitioning from high school to college, proven to increase student retention and graduation.
4. Scholars are required to complete a special experiential learning activity through industry internships, research projects and/or study abroad programs.

International Programs in Agriculture (IPIA)

International Programs in Agriculture (IPIA) at Purdue promotes international activities in the College of Agriculture through collaboration with educational institutions, research agencies and outreach organizations throughout the world. These partnerships are designed to help improve agriculture, natural resources, and food systems in Indiana and participating countries, and for the enrichment of the Purdue University community. We accomplish this, in part, by:

- leadership in multidisciplinary teaching, research and outreach;
- facilitating student and faculty exchanges;
- offering technical assistance and technology transfer, and
- providing assistance and information to students, faculty, and the general public.

IPIA staff assists faculty and students with the development of international grant proposals, hosting short and long-term international visitors, and arrangements for exchanges, collaborative research programs, and development assistance projects. IPIA staff assists in preparation for international travel by providing country-specific information, advice on passports and visas, university international travel forms, information about medical precautions and inoculations, and help in developing risk management plans for countries on the US State Department Warnings List. IPIA staff also provides a variety of support services to international students in the College of Agriculture. IPIA staff has long experience in managing interdisciplinary international projects and it facilitates logistics and administration of such projects so that faculty can focus on the science, education and research. IPIA facilitates cooperation across campus with other Purdue units that are engaged internationally, including: the Center for Global Food Security, Dean for International Programs (IP), the Global Public Policy Institute, Associate Vice President for Engagement, and the International Program Officers (IPO) for all other Purdue colleges and schools.



CONTACT INFORMATION

JESS LOWENBERG-DEBOER

Associate Dean of Agriculture
Director of International Programs
in Agriculture
765-494-6876
lowenbej@purdue.edu

CAROLE BRAUND

Administrative Assistant
765-494-6876
cbraund@purdue.edu

ag.purdue.edu/ipia

CONTACT INFORMATION

For assistance with questions related to:

INTERNATIONAL DISCOVERY/ENGAGEMENT

Jess Lowenberg-DeBoer, Associate Dean and Director
(lowenbej@purdue.edu) 765.494.6876

AGRICULTURE STUDY ABROAD

Linda Vallade, Study Abroad Team Leader
(valladel@purdue.edu) 765.494.9690

ASIA AND THE MIDDLE EAST

K. G. Raghothama (Ragu), Associate Director,
(kraghoth@purdue.edu) 765.496.1317

LATIN AMERICA

Jeff Stuart, Entomology
(stuartjj@purdue.edu) 765.494.4561

AFGHANISTAN

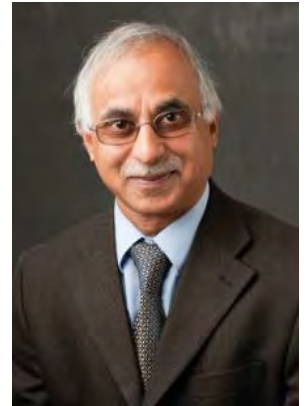
Kevin McNamara, Assistant Director
(mcnamara@purdue.edu) 765.494.7683

INTERNATIONAL EXTENSION

Jim Murren, International Extension Program Coordinator,
(jmurren@purdue.edu) 765. 494.9831

INTERNATIONAL TRAVEL AND LOGISTICS

Heather Fabries, Project Management Specialist
(hfabries@purdue.edu) 765.496.3916



K. G. Raghothama (Ragu)



Jeff Stuart



Kevin McNamara

ag.purdue.edu/ipia

Agricultural Communications

Sometimes you know who you want to reach and why, but you're not sure how to do it. AgComm will help you develop and deliver your ideas to those who can best use them.

We can brainstorm your idea with you and offer the most effective communication solutions. Then, we can help you create news releases, brochures, videos, museum-quality exhibits, books, instructional materials, Web sites, CDs, DVDs, calendar items, and more. We can also handle all your distribution needs from storage to shipping.

If you have a project that you'd like to talk to us about, you can tell us a little about it and we'll get back with you. (Note: Please login with your ONEPURDUE username and password).

Getting Your News Out

The News and Public Affairs Unit of the Department of Agricultural Communication prepares news releases to inform the public about important news from the college and offers assistance to faculty in working with the news media.

The unit staff writes news releases ranging from peer-reviewed scientific research and major grant awards to announcements of workshops for farmers and the general public. All news releases are submitted for approval by faculty members, who are the sources for them, before they are transmitted to the media. The University does not allow faculty and staff to send out their own news releases.



CONTACT INFORMATION

BETH FORBES

Department Head

Department of Agricultural Communications

(765) 494-8403

forbes@purdue.edu

NEWS PRIMARY CONTACT

KEITH ROBINSON

unit coordinator

494-2722

robins89@purdue.edu

SCIENCE WRITER
BRIAN WALLHEIMER

496-2050

bwallhei@purdue.edu

ag.purdue.edu/agcomm

On Media Relations

The college does encourage faculty and staff to interact with the media in providing information to our stakeholders. The News and Public Affairs Unit frequently takes inquiries from reporters asking to interview faculty members on their research and other areas of their expertise. The unit staff assists in making arrangements for interviews. However, If reporters call you directly, not all interviews have to be pre-arranged.

Most reporters wanting to interview a faculty member typically are seeking more details and comment and an additional quote or two beyond what is in the news release. They usually are “friendly” interviews – that is, non-confrontational.

Some media interviews, however, can be difficult, depending on the topic. Faculty and staff who feel uncomfortable talking about a specific topic or to a specific reporter are encouraged to talk with the News and Public Affairs staff regarding tips for making the interview easier to handle. The unit has media professionals with much experience in talking to reporters; most members of the staff are former newspaper editors and reporters themselves.

Contact the unit coordinator, Keith Robinson (contact information above) should you need help in preparing for an interview.

CONTACT INFORMATION

KEITH ROBINSON

Unit Coordinator

494-2722

robins89@purdue.edu

Best Practices for Communication Projects

When you begin a Purdue Agriculture or Extension communication project, there's a great deal to keep in mind. To help you create the best possible project, AgComm has a host of resources.

- As you pull the text together, our list of Writing Reminders (PDF) can help you produce a well-written publication.
- The authors of Purdue Extension publications should be employees of Purdue. If a student helps write the publication, the Extension specialist or researcher must take responsibility for the quality and accuracy of the content.
- Extension publications must go through the peer review process before they come to Agricultural Communication. You can get more information about the process from the site [Peer Review Policy for Purdue Extension Materials](#).
- If you are using material or ideas from other sources, be sure you have permission from original authors. For more on that, check the [Copyright Permissions Policy](#). It is particularly important to follow copyright laws and get permission when any text has been taken directly from another source. Include references.
 - o Use of the symbol ® or mention of a product by name
 - o Text that seems to promote a commercial product
 - o Mention of and links to websites of commercial entities
 - o Use of logos of commercial products
 - o Projects that include industry partners
- If you intend to translate material into Spanish or any other language, check out the [Translation Guidelines](#).
- Also, if the work or the publication has been sponsored by another source, you may want to add a statement of Credit for Sponsorship.

When using photos, carefully consider how use of the image reflects on the university, and be sure to have the proper release form or formal permission. For more information and a photo release form, see [Photo Manipulation and Permissions](#). And, as with text, you need to follow the [Copyright Permissions Policy](#).

When you use photos:

- In general, avoid distorting or degrading photos or adding or deleting people or objects.
- Be sure to have permission to use any photos taken in a private facility that may restrict or charge for use of any images taken.
- Avoid using a photo of any member of a group or organization that asks for privacy (e.g., Amish).

Agriculture Information Technology (AgIT)

Development

The Development team provides web-based application development and database expertise to provide state of the art internet projects to 15 campus departments and 97 county and district extension offices in Indiana. Our goal is to develop, for our clients, the technology, to increase productivity, and ease their workload.

Development Team: Eric Adams, Adam Brooks, Anatolii Doudarev, Ben Fox, Cindie Gosnell, Marilyn Moore, and Charlie Smith.

Operations

Systems is responsible for research and development of new technology (software and hardware), strategic planning for technology deployment, systems maintenance, coordination of wide area network (IHETS), backups and security. The goal of the Training and Support Team is to provide complete computer support to our clients. We do this by providing telephone support via the help desk (765.494.8333 or 1.888.226.2438), as well as face to face visits to assure a timely solution to your technology needs.

Systems Team: Brad Clayton, Kyle Purple, Ed Stanis, and Kevin Stevens.

Support

Support Services is responsible for Training and Support for 15 campus departments and 97 county and district extension offices in Indiana. The Training and Support Team is to provide complete computer support to our clients. We do this by providing telephone support via the help desk (765.494.8333 or 1.888.226.2438), as well as face to face visits to assure a timely solution to your technology needs.

Support Team: Rick Rodriguez, Courtnee Dadacz, Jess Maynard, Carol Reisert, Dan Rhine, Nishee Johnson, Jessica Rusco, and Brandon Kerns.



CONTACT INFORMATION

PAT SMOKER

Director, Department Head
pds@purdue.edu

DONNA GAYLORD

Department Secretary
dgaylord@purdue.edu

HELP DESK

(765) 494-8333

www.ag.purdue.edu/agit

Agriculture Advancement

Our role in the Purdue Agriculture Advancement Office is to encourage private giving to support Purdue's teaching, research, and extension functions, and to develop and maintain positive relationships with friends, alumni, and corporate partners throughout Indiana and across the country.

Staff Responsibilities

ERIC PUTMAN

Director of Advancement
eputman@purdue.edu
765-496-2544

Specific responsibilities include the Dean's initiatives and serving the Departments of Animal Sciences, Entomology, Horticulture and Landscape Architecture, Ag and Biological Engineering, Botany and Plant Pathology and Youth Development and Agricultural Education.

KYLE BYMASTER

Director of Development

Responsibilities include the Departments of Agricultural Economics, Agronomy, Biochemistry, Food Science, and Forestry and Natural Resources.

TAMMY KETTLER

Director of Corporate Relations
tkettler@purdue.edu

Works with all departments and development staff to advance corporate partnerships and pursue charitable giving opportunities.



CONTACT INFORMATION

ERIC PUTMAN

Director of Advancement
eputman@purdue.edu
765-496-2544

www.ag.purdue.edu/giving

Discovery Park

One of the assets at Purdue that we hope will be useful for your research program is Discovery Park. This infrastructure of facilities, equipment, and people supports large-scale, interdisciplinary research and includes faculty from every academic college. Discovery Park's infrastructure provides opportunities to get connected with existing research team activities and a mechanism to create interdisciplinary research teams for new proposals. Additionally, Discovery Park is closely connected to the Purdue Research Park and offers support if you have questions about commercialization of your research.



CONTACT INFORMATION

CANDISS VIBBERT

Associate Director of
Discovery Park Engagement
Assoc. Vice Provost for
Engagement
Assoc. Director for Purdue
Research Park Engagement

We hope that you will browse our webpage at: www.purdue.edu/dp or please feel free to contact Dr. Candiss Vibbert, Assoc. Director for Discovery Park Engagement. She would be happy to answer your questions and get you connected with faculty and staff in areas related to your interests. We would also be happy to arrange a tour for you of any of the facilities.

Discovery Park, the site of large-scale interdisciplinary research and innovation, builds on Purdue's strengths in agriculture, science, technology, engineering, and mathematics.

Discovery Park Centers

- Bindley Bioscience Center
- Birck Nanotechnology Center
- Center for the Environment
- Purdue Climate Change Research Center
- Cyber Center
- Center for Direct Catalytic Conversion of Biomass to Biofuels (C3BIO)
- Burton D. Morgan Center for Entrepreneurship
- Energy Center
- Global Sustainability Institute

www.purdue.edu/dp

Office of Technology Commercialization (OTC)

The Office of Technology Commercialization (OTC) operates one of the most comprehensive technology transfer programs among leading research universities in the United States

Services provided by OTC support the technological and economic development initiatives of Purdue University faculty and researchers while providing entrepreneurial scholarship opportunities for Purdue students. OTC is solely responsible for protecting and licensing Purdue's intellectual property assets including patents, copyrights, trademarks and tangible research property. The OTC professional staff work closely with Purdue faculty, staff and student innovators to provide critical resources needed to shepherd an innovation from the lab to realization. OTC endeavors to perform its functions efficiently, effectively and to the maximum benefit of the Purdue community, the State of Indiana and the Nation.

Moving an Idea to the Market

The work of Purdue faculty, staff and students often leads to new ideas, discoveries or improvements to existing solutions. In order to realize the potential impact of those ideas, these innovators disclose the innovation to the OTC, providing a sufficient description of the innovation and all relevant supporting empirical data, results and other material information. Once an Invention Record and Disclosure Form (IRD) is received by OTC, a professional project manager performs an assessment on the following basis:

- Protectable Under Applicable Intellectual Property Law
- Public Disclosures
- Novelty And Originality
- Relationship To Existing Commercial Products/Services, If Any
- Stage of Development
- Current Market Potential

In its assessment and consultation with both the innovators and legal counsel, OTC also identifies inventorship, ownership and other legal encumbrances to chart a legal landscape for the innovation. For example, joint ownership may result from a co-inventor being employed by a non- Purdue organization, or under provisions of an applicable sponsored research agreement. The results of these assessments enable OTC to develop a commercialization strategy tailored to the relevant innovation.



CONTACT INFORMATION

ELIZABETH HART-WELLS

Assistant Vice-President
and Director of the
Office of Technology
Commercialization
eahart-wells@prf.org

Once a decision has been made that patent rights are desired or necessary for successful commercialization, Purdue Research Foundation covers the costs of preparing and filing the patent application. For example, OTC may file a U.S. provisional patent application to increase the potential time frame for development. This step constitutes only the first of many necessary to commercialize an innovation. Potential commercial applications must be understood and articulated to provide for a commercialization strategy tailored to the specific innovation.

IP Strategy, Business Development and Licensing

Not all innovations require a patent for commercialization. However, if the commercialization strategy provides that patent rights will increase the commercial viability of a patentable invention, Purdue Research Foundation advances the costs of preparing and filing the patent application. OTC works with the innovators to identify and target appropriate and committed development partners and, once engaged, negotiates a business and legal contract (a license) to enable the development partner to bring the innovation to market.

For a detailed guide to OTC Processes and Procedures Download their Booklet, Technology Transfer at Purdue University at: <http://www.prf.org/otc/processes.asp>

Funding Mechanisms Provided by PRF and OTC

For a detailed guide to OTC Processes and Procedures Download their Booklet, Technology Transfer at Purdue University at:

<http://www.prf.org/otc/processes.asp>

The path from discovery to delivery poses many challenges, not the least of which is the need for well-timed investments in development as innovations advance toward successful commercialization. In an effort to supply Purdue innovators and Purdue Research Park companies with stage-appropriate capital, the Purdue Research Foundation has established specific funding opportunities.

Trask Innovation Fund

Established in 1974 by a gift from Verne A. and Ramouth H. Trask, the Trask Innovation Fund offers a development mechanism to assist Purdue University innovators with resources to advance his/her innovation by increasing the commercial value. The strict objective is to support short-term translational projects that enhance commercial value while reducing the risk profile of commercializing the innovation.

http://www.prf.org/otc/trask_fund.asp

All applications are competitively reviewed and selected by an advisory council that consists of business executives, Purdue and PRF leadership, and experienced faculty innovators. The review includes evaluation of the technical merits, market needs, and the reasonableness of the proposed project adding value to the commercial viability. All proposed work must be completed in six months from date of award. Allocated funds must be repaid, in full, from any revenue received by OTC for the funded innovation. Indirect costs and/or F&A are not paid by or recovered for the Trask Innovation Fund.

otc-prf.org

Emerging Innovations Fund (EIF)

In 2008, Purdue Research Foundation introduced the Emerging Innovations Fund, an integrated approach to research, development and commercialization. The Emerging Innovations Fund offers a mechanism to provide financial resources to new ventures founded on Purdue-owned intellectual property and to eligible Purdue Research Park-based companies. Investments aim to fill a critical funding gap in the nascent stages of new venture development. Eligible applicants may apply for funding up to a maximum of \$150,000 in exchange for convertible debt.

<http://emerginginnovationsfund.org/index.php>

P3 Alliance

In 2009, the Purdue Research Foundation originated the P3 Alliance: Purdue, People, Performance. The P3 Alliance facilitates introduction of pre-screened angel investors to new ventures founded on Purdue-owned intellectual property and to Purdue Research Park-based companies statewide. Applicable companies seeking equity investment are featured through an online portal as well as through live presentations before the P3 Alliance participants. Due diligence and negotiations are the sole responsibility of the prospective investor. Investments normally range from \$25,000 to \$250,000.

<http://www.purdueresearchpark.com/investors.asp>

otc-prf.org

Constitution of the Agriculture Faculty

Revised – May, 2012

ARTICLE I. COMPOSITION AND ADMINISTRATION

- A. Composition of the Agricultural Faculty. All employees with the rank of at least Assistant Professor and those having the rank of Instructor for at least two years shall be eligible to vote on all Agricultural Faculty matters. Included are those individuals appointed as an Adjunct Faculty (as defined in Executive Memorandum C-12, 25 August 1987), or a Clinical Faculty member. Research Faculty members may vote on all items, excepting curricular matters. Associate and Affiliate administrative or professional appointees are specifically excluded.
- B. Chief Administrative Officer. The chief administrative officer of the Agricultural Faculty is the Dean of Agriculture.
- C. Instructional Department. An Instructional Department as used in this document is defined in the University Academic Procedures Manual, Section K-1.

ARTICLE II. POWERS OF THE AGRICULTURAL FACULTY

- A. The Faculty of Agriculture shall have jurisdiction, consistent with University policy, of specific internal affairs, and shall discuss and make recommendations regarding all matters affecting its responsibilities in teaching, research, and extension. Specifically the Agricultural Faculty shall:
 - 1. Establish course content, curricula, requirements, and certification for graduation.
 - 2. Advise the Dean in matters of educational policy and long-term planning that affect the responsibilities of the Agricultural Faculty.
 - 3. Advise the Dean and others on matters that concern Agricultural Faculty and student welfare.

ARTICLE III. MEETINGS OF THE AGRICULTURAL FACULTY

- A. The powers of the Agricultural Faculty shall be exercised at open meetings of the entire Agricultural Faculty, convened after proper written notification. The presiding officer shall be the Dean or his or her designee. The Dean shall appoint a Secretary of the Agricultural Faculty who shall keep the minutes of all meetings and a Parliamentarian who shall rule on all questions of procedure.
 - 1. Regular meetings shall be called at least once during each of the fall and spring semesters of the University calendar, at times set by the Agenda and Policy Committee. At least one week prior to the announced date of the meeting, the Agenda and Policy Committee shall distribute an announcement and agenda for the meeting to each voting member.

2. Fifteen percent of the Agricultural Faculty shall constitute a quorum at an Agricultural Faculty meeting. No meeting shall be held in the absence of a quorum.
3. Decisions of the Agricultural Faculty shall be reached by a simple majority of the Agricultural Faculty attending any called meeting.
 - a. Voting will be by secret ballot if requested by any Agricultural Faculty member present.
 - b. A mail or electronic vote by the Agricultural Faculty shall be conducted on any issue if requested by any voting Agricultural Faculty member and approved by one-fifth of the members present. Issues in all mail or electronic ballots shall be decided by a majority of the vote cast.
4. To encourage informed and efficient discussion of Agricultural Faculty business, only items appearing on the distributed agenda may be acted upon at a meeting, unless consent is voted by three-fourths of the members present. Written reports submitted for information only, even though not requiring immediate Agricultural Faculty action, shall whenever possible be distributed in advance of the meeting, and be noted on the agenda for question and discussion only. Any Agricultural Faculty member may introduce, for discussion only, any item not on the agenda at the appropriate time during regularly scheduled Agricultural Faculty meetings.
5. The minutes of each Agricultural Faculty meeting shall be distributed to each Agricultural Faculty member within 10 days after the meeting, and to the Offices of the President, Vice-Presidents, Deans, and Directors.
6. Special meetings may be called either by the Dean or by the Agenda and Policy Committee, or upon written request to the Agenda and Policy Committee by 10 or more Agricultural Faculty members. At these meetings, the same rules of agenda and procedure shall apply as at regular meetings.
7. Emergency meetings of the Agricultural Faculty may be called by the Dean or his or her designee in consultation with a representative of the Agenda and Policy Committee by verbal notification of each Department Head and Administrative Office at least two hours before such an emergency meeting is to be convened. Regular rules of procedure shall apply except that such emergency meetings may consider and take appropriate action on emergency problems only.

ARTICLE IV. COMMITTEES OF THE FACULTY OF AGRICULTURE

- A. The committees of this Agricultural Faculty include the following: Area Promotions Committee, Standing Committees of the Agricultural Faculty, Ad Hoc Committees of the Agricultural Faculty, and Administrative Committees. The Dean shall distribute annually to all Agricultural Faculty members a list giving the membership of all committees of these types.

1. Area Promotions Committee. This committee shall receive and act upon the recommendations of the primary committees in Agriculture in the regular promotions procedure of the University. Membership of this committee shall include the Dean of Agriculture who shall be Chairperson and call meetings, the Director of Academic Programs, the Director of the Cooperative Extension Service, the Director of Agricultural Research Programs, the Director of International Programs in Agriculture, Department Heads, and Agricultural Faculty Representatives (as described hereafter in Article IV) of the departments that normally generate promotions. A quorum of this committee shall consist of seven-eighths of its membership with at least one-third of those present being Agricultural Faculty representatives. Absentee ballots shall not be permitted. This committee will carry out its functions in agreement with the "Policy Concerning Promotions," page N-73, Academic Procedure Manual.
 - a. Eligibility to serve as an Agricultural Faculty representative of this committee shall be limited to tenured Full Professors in Agriculture who do not have major administrative responsibilities.
 - b. The Agricultural Faculty of each department shall elect one eligible Agricultural Faculty representative to the committee according to the following procedures.
 - i. Candidates shall be nominated at an open meeting of the Agricultural Faculty of the department.
 - ii. Each nominee must express willingness to serve if elected.
 - iii. Elections shall be by written ballot in which all members of the Agricultural Faculty (as defined in Article I, A) in residence of a department have an opportunity to vote.
 - iv. To be elected, a candidate must receive a majority of ballots cast.
 - v. Elections shall be concluded before July 1 of the year in which the term of service on the committee begins.
 - c. The regular term of service for Agricultural Faculty representatives shall be three years, with approximately one-third of the apportionment elected each year according to a rotation schedule among the departments. The Agenda and Policy Committee shall be empowered to establish details of the rotation schedule and to make adjustments in this schedule if necessitated by a change in the number of departments. Each regular term of service shall begin July 1. There shall be no restrictions on consecutive terms of service.
 - d. An Agricultural Faculty representative who is unable to complete the term of service or who is unable to participate in the affairs of the Area Promotions Committee shall be replaced by the department represented. Procedures for filling such unexpired terms or temporary vacancies on the Committee shall be the same as for the election to a full term, except for the time of election.

- e. At least once each academic year, committee Chairpersons shall review with committee members those sections of the constitution and/or Academic Procedure Manual that apply to the activities of that committee.
- f. Each committee may appoint such sub-committees as it deems necessary.
- g. Each Standing Committee shall submit annually a written report to the Agricultural Faculty.
- i. Agenda and Policy Committee. The functions of this committee shall be to maintain liaison between the administrative officials of Agriculture and the Agricultural Faculty, and to guide the Agricultural Faculty in the efficient exercise of its powers.
- A. Schedule, announce, and prepare the agenda for Agricultural Faculty meetings in cooperation with the Dean.
- B. Identify problems and counsel the Dean on policy matters of concern to the Agricultural Faculty.
- C. Provide for periodic reports to the Agricultural Faculty from the Dean and the major administrative officers in the areas of teaching, research, and extension.
- D. Act as a committee on committees: conduct the election of Senate representatives from Agriculture; and coordinate the activities of other standing committees of the Agricultural Faculty.
- E. The membership of the Agenda and Policy Committee shall consist of a voting representative from each Instructional Department and the Chairperson of the Senate representatives from Agriculture. The Dean, or his or her designee, and the Secretary of the Agricultural Faculty shall serve as non-voting members of the committee.
- ii. Curriculum and Student Relations Committee. The functions of this committee shall be to coordinate and evaluate on a continuing basis the course work, curricula, and teaching of fered by the Instructional Departments of the College of Agriculture; to examine and make recommendations to the assembled Agricultural Faculty on proposed changes in course work, curricula, and degree requirements; and to ensure prompt attention to educational problems of students.

Membership of this committee shall be one representative from each instructional department. The Agricultural Faculty representative to the university Undergraduate Curriculum Council shall serve as an ex officio, non-voting member. Pro-tempore members may be appointed by the Dean to give recognition to interdisciplinary and other programs. The Director of Academic Programs, or his or her designee; the Associate Director of Academic Programs; and the Director of Agricultural Research Programs, or his or her designee shall serve as ex officio members. One undergraduate student and one graduate student shall serve as non-voting members. Student members shall be randomly selected by the Secretary of the Agricultural Faculty from a pool of one undergraduate student and one graduate student nominated by the Department

-
- iii. Grade Appeals Committee. The function of this committee is to provide recourse to a student who believes that an inappropriate grade has been assigned as a result of prejudice, caprice, or other improper conditions such as mechanical error, or assignment of a grade inconsistent with those assigned other students. Additionally, a student may challenge the reduction of a grade assigned for his/her alleged dishonesty.
- A. This committee shall consist of three members of the instructional Agricultural Faculty; two students, undergraduate or graduate, corresponding to the status of the appellant; and a non-voting Chairperson. The Chairperson will be an Assistant or Associate Dean appointed by the Dean.
1. Faculty membership of this committee shall be randomly selected by the Chairperson of the Agenda and Policy Committee from a pool consisting of one Agricultural Faculty member elected annually from each Instructional Department. Three members will be selected as regular members and all others in the pool shall serve as alternate members. No member shall serve more than two consecutive terms.
 2. Student membership shall consist of two undergraduate students and two graduate students. In addition there will be nine alternates from each category selected to be used as necessary.

Undergraduate student members shall be randomly selected from a pool of one undergraduate student nominated by the Department Head from each instructional department. Before the last official day of the spring semester, the Secretary of the Agricultural Faculty in consultation with the Chairperson of the Agenda and Policy Committee shall randomly select two undergraduate students from the pool and convey their names to the Chairperson of the Grade Appeals Committee. The remaining undergraduate students in the pool shall be considered alternate members of the committee to serve as necessary.

Graduate student regular members shall be selected in a random fashion from a pool of students from each Instructional Department. Annually graduate students from each Instructional Department shall elect one graduate student from their Instructional Department to serve in the pool for a one-year period. Before the last official day of the spring semester, the Secretary of the Agricultural Faculty in consultation with the Chairperson of the Agenda and Policy Committee shall randomly select two graduate students from the pool and convey their names to the Chairperson of the Grade Appeals Committee. The remaining graduate students in the pool shall be considered alternate members of the committee to serve as necessary.

3. Ad Hoc Committees of the Agricultural Faculty. Such committees shall deal with policy or action matters not delegated to an established standing committee and unlikely to require continuing attention. Such committees shall be established by the Dean or by vote of the Agricultural Faculty. Unless otherwise provided, such committees shall function by the following rules:

- a. Size, membership, and leadership of these committees shall be determined by the Dean, in consultation with the Agenda and Policy Committee.
- b. Such committees shall make a written report and final recommendations to the Agricultural Faculty.
- c. Membership shall extend for the duration of the committee, and the committee shall be disbanded
4. Administrative Committees upon Which Agricultural Faculty Members Serve. Such committees shall deal with regular tasks of administering the established responsibilities of the subdivisions within Agriculture. Proposals for major changes in activities or policies stemming from these committees will be reported to the Agricultural Faculty. Except when otherwise provided, these committees shall be established by the Dean after consultation with appropriate major administrative assistants to determine the need, membership, terms of service, leadership, and reporting requirements.

ARTICLE V. REPRESENTATION TO THE UNIVERSITY SENATE

- A. Responsibilities. The Senators from Agriculture shall be responsible for regular participation in the activities of the University Senate, for communicating to the Faculty of Agriculture and its subdivisions the direction of Senate actions and deliberations, and for transmitting viewpoints and discussions of their Agricultural Faculty to the University Senate.
- B. Election Procedure.
 1. The Agricultural Faculty shall elect the number of Senators apportioned to Agriculture. Terms of office shall be three years, with approximately one-third of the apportionment elected each year prior to March 1.
 2. Each Instructional Department shall have at least one, but no more than two, Agricultural Faculty serving as Senators.
 3. Each department shall elect one Agricultural Faculty member (as defined in Article I, A) to serve as its Senator according to the following procedures:
 - a. Candidates must be nominated at an open meeting of the department.
 - b. Nominees must state their willingness to serve after reviewing Senate rules of operation and attendance.
 - c. Elections shall be by secret ballot in which all members of the Agricultural Faculty in residence of a department have an opportunity to vote.
 - d. To be elected, a candidate must receive a majority of ballots cast.

-
4. In addition to the Senators elected as departmental representatives, Senators-at-large shall be elected and so designated by the Agricultural Faculty to fill the remaining number of Senate vacancies assigned to Agriculture.
 - a. Each department eligible to elect a Senator may submit only one nominee for Senator-at-large. Such nominees will be selected by the departments in a manner identical to regular Senators. Nominees will be forwarded to the Secretary of the Agricultural Faculty.
 - b. Election of Senators-at-large shall be by mail or electronic ballot of the entire Agricultural Faculty. Ballots shall contain names of all candidates in random order. Each Agricultural Faculty member may cast votes equal to but not to exceed the number of Senate vacancies to be filled. That number of candidates receiving the most votes shall be elected.
 - c. The number of votes cast for each candidate shall be filed with the Dean.
 5. Immediately following each annual election, all Senators from Agriculture shall meet at the call of the Dean and elect a Chairperson. The Chairperson shall act as a spokesman for the delegation and shall serve on the Agenda and Policy Committee.
 6. Senators unable to complete their terms or unable to attend Senate meetings for periods of one regular semester or more shall be replaced. Replacement for shorter periods of absence shall be at the option of the Senator in question or the department represented. In either case, the replacement of a Senator shall be for the duration of the unexpired term. Senators who are aware of the forthcoming need for their replacement should notify the Chairperson of the Agenda and Policy Committee.
 - a. To replace Senators elected under B.3 above, the department represented shall elect a replacement (according to the procedures of B.3) upon request by the Chairperson of the Agenda and Policy Committee.
 - b. Senators-at-large shall be replaced by the Agenda and Policy Committee from the most recent list of candidates filed under Article V, B.4, above. Candidates not previously elected shall be considered alternates, in the order of votes received. Should a second replacement be required, or should the first alternate be unavailable, the second alternate would be selected, etc.

ARTICLE VI. AMENDMENTS TO THE CONSTITUTION

- A. Initiation of Amendments. An amendment to this constitution may be initiated by two-thirds vote of the Agenda and Policy Committee, or by written petition signed by 10 members of the Faculty of Agriculture to the Agenda and Policy Committee.

- B. Ratification. Any properly initiated amendment petition shall be placed on the agenda of the next regular or special meeting of the Agricultural Faculty for discussion. At such a meeting, any proposed amendment may be further amended by a two-thirds vote of those in attendance. Thereafter, it shall be submitted to a mail or electronic ballot of the entire Agricultural Faculty, in which a favorable vote by a majority of those voting shall be necessary for ratification.

ARTICLE VII. REVIEW OF THE CONSTITUTION

- A. The Constitution shall be reviewed by the Agenda and Policy Committee every five years. Any changes resulting from such review shall follow the conditions of Article VI.

Agriculture Faculty Committees

August 1, 2012

University Senate Representatives

NAME	DEPARTMENT	YEARS REMAINING
Hong (Holly) Wang	Agricultural Economics	3
John G. Graveel	Agronomy	3
Jennifer L. Dennis	Horticulture and Landscape Architecture	3
Peter M. Hirst *	At-Large	3
D. Marshall Porterfield	Agricultural and Biological Engineering	2
Patricia Y. Hester	Animal Sciences	2
William L. Hoover	Forestry and Natural Resources	2
Levon T. Esters	Youth Development and Agricultural Education	2
Herbert L. Weith	Biochemistry	1
Kevin D. Gibson	Botany and Plant Pathology	1
Matthew D. Ginzel	Entomology	1
Carlos M. Corvalan	Food Science	1
Frank J. Dooley	At-Large	1

Area Promotions Committee

Eileen J. Kladvko	Agronomy	3
Terry S. Stewart	Animal Sciences	3
William G. Johnson	Botany and Plant Pathology	3
Clifford S. Sadof	Entomology	3
James D. Forney	Biochemistry	2
Bruce R. Hamaker	Food Science	2
J. Andrew DeWoody	Forestry and Natural Resources	2
Joseph M.K. Irudayaraj	Agricultural and Biological Engineering	1
Wallace E. Tyner	Agricultural Economics	1
Natalie J. Carroll	Youth Development and Agricultural Education	1
Jay T. Akridge *	Dean of Agriculture	

* Denotes Chairperson or Convener

Agenda and Policy Committee

NAME	DEPARTMENT	YEARS REMAINING
Candace C. Croney	Animal Sciences	3
Xiaoqi Liu	Biochemistry	3
Tesfaye D. Mengistem	Botany and Plant Pathology	3
Michael E. Scharf	Entomology	3
Kee Hong Kim	Food Science	2
Rod N. Williams	Forestry and Natural Resources	2
Bruce P. Bordelon *	Horticulture and Landscape Architecture	2
Jenna L. Rickus	Agricultural and Biological Engineering	1
Maria I. Marshall	Agricultural Economics	1
Torbert R. Rocheford	Agronomy	1
Neil A. Knobloch	Youth Development and Agricultural Education	1
Peter M. Hirst	Senate Representative	
Jay T. Akridge	Dean of Agriculture	
Allan D. Goecker	Agricultural Faculty Secretary	

Curriculum and Student Relations Committee

Cale A. Bigelow	Agronomy	3
Barbara L. Golden *	Biochemistry	3
John B. Dunning, Jr.	Forestry and Natural Resources	3
Jerry L. Peters	Youth Development and Agricultural Education	3
Jo Ann Banks	Botany and Plant Pathology	2
Douglas S. Richmond	Entomology	2
Haley F. Oliver	Food Science	2
Michael N. Dana	Horticulture and Landscape Architecture	2
Daniel R. Ess	Agricultural and Biological Engineering	1
Freddie L. Barnard	Agricultural Economics	1
Ryan A. Cabot	Animal Sciences	1
John G. Graveel	Natural Resources and Environmental Science	
J. Marcos Fernandez	Academic Programs	
Allan D. Goecker	Academic Programs	
Daniel C. Bechman	Undergraduate Student	
Sally M. Stevens	Graduate Student	

* Denotes Chairperson or Convener

Grade Appeals Committee

NAME

DEPARTMENT

Jeffrey W. Lai	Agricultural and Biological Engineering
Joan R. Fulton	Agricultural Economics
Torbert R. Rocheford	Agronomy
John S. Radcliffe	Animal Sciences
Weiguo A. Tao	Biochemistry
Raymond D. Martyn, Jr.	Botany and Plant Pathology
Christian Y. Oseto	Entomology
Andrea M. Liceaga	Food Science
Michael A. Jenkins	Forestry and Natural Resources
David M. Barbarash	Horticulture and Landscape Architecture
Colleen M. Brady	Youth Development and Agricultural Education
J. Marcos Fernandez *	Academic Programs

Undergraduate Students

Samuel A. Koester
William C. Beyer

Ross A. St. Clair	1st Alternate
Samantha A. Schmidt	2nd Alternate
Michael P. Dzakovich	3rd Alternate
Amanda S. Webb	4th Alternate
Steven R. Emerick	5th Alternate
Martha R. Kille	6th Alternate
Alyssa B. Collins	7th Alternate
Elisha M. Bault	8th Alternate
Christian A. Webb	9th Alternate

Graduate Students

Michael Melesse
Jeffrey W. Lai

Andrew Meier	1st Alternate
Sydney E. Moser	2nd Alternate
Anne V. Brown	3rd Alternate
Michael A. Ortiz	4th Alternate
Francis A. Darko	5th Alternate
Dominique A. Hall	6th Alternate
Scott M. Koenig	7th Alternate
Jessica L. Kelly	8th Alternate
Matthew J. Kararo	9th Alternate

College of Agriculture Awards Committee

NAME

DEPARTMENT

FACULTY

William E. Field	Agricultural and Biological Engineering
Joan R. Fulton	Agricultural Economics
James J. Camberato	Agronomy
Mark A. Diekman	Animal Sciences
Steven S. Broyles	Biochemistry
Loretta S. Loesch-Fries	Botany and Plant Pathology
Ricky E. Foster	Entomology
Arun K. Bhunia	Food Science
William L. Hoover	Forestry and Natural Resources
Robert W. Sovinski	Horticulture and Landscape Architecture
Mary Pilat (Fall Semester)	Youth Development and Agricultural Education
Natalie J. Carroll (Spring Semester)	Youth Development and Agricultural Education
Timothy P. Kerr	Academic Programs

UNDERGRADUATE STUDENTS

Elymae C. Garcia	Agricultural and Biological Engineering
Michael J. Baird	Agricultural Economics
Lori A. Nussbaum	Agronomy
To Be Determined	Animal Sciences
Gabriel W. Rangel	Biochemistry
Kloe M. Belush	Botany and Plant Pathology
Elaina M. Grott	Entomology
Amber N. Furrer	Food Science
Wesley T. Homoya	Forestry and Natural Resources
Michael J. Baird	Horticulture and Landscape Architecture
Amy L. Bare	Natural Resources and Environmental Science
To Be Determined	Youth Development and Agricultural Education

* Denotes Chairperson or Convener

Leadership Development Certificate Program Committee

NAME	DEPARTMENT
Janet S. Ayres	Agricultural Economics
Lee. E. Schweitzer	Agronomy
Mark A. Russell	Animal Sciences
(No Departmental Response)	Biochemistry
Janna L. Beckerman	Botany and Plant Pathology
Gary W. Bennett	Entomology
Owen G. Jones	Food Science
Rueben R. Goforth	Forestry and Natural Resources
Bernard L. Dahl	Horticulture and Landscape Architecture
Kathryn S. Orvis	Youth Development and Agricultural Education
Tracie M. Egger*	Academic Programs

Library Committee

NAME	DEPARTMENT
Abigail S. Engelberth	Agricultural and Biological Engineering
Brigitte S. Waldorf	Agricultural Economics
Darrell G. Schulze	Agronomy
Terry S. Stewart	Animal Sciences
Frederick S. Gimble	Biochemistry
Jin-Rong Xu	Botany and Plant Pathology
Brandon J. Schemerhorn	Entomology
Bruce M. Applegate	Food Science
Tomas O. Hook	Forestry and Natural Resources
Ann E. Hildner	Horticulture and Landscape Architecture
Neil A. Knobloch	Youth Development and Agricultural Education
J. Marcos Fernandez*	Academic Programs

Undergraduate Recruitment and Retention Committee

NAME

DEPARTMENT

Dennis Buckmaster	Agricultural and Biological Engineering
Jennifer L. Williams	Agricultural Economics
Lee E. Schweitzer	Agronomy
Jane E. Wiercioch	Agronomy
Kolapo Ajuwon	Animal Sciences
(No Departmental Response)	Biochemistry
Tyson J. McFall	Botany and Plant Pathology
Matthew D. Ginzel	Entomology
Amanda L. Pendleton	Entomology
Donna L. Keener	Food Science
Walter L. Mills	Forestry and Natural Resources
Michael N. Dana	Horticulture and Landscape Architecture
Colleen M. Brady	Youth Development and Agricultural Education
Tracie M. Egger*	Academic Programs

* Denotes Chairperson or Convener

Diversity Action Team in Agriculture

NAME

Charles T. Armstrong

Otto C. Doering III

Clifford F. Weil

Ryan A. Cabot

Sandra S. Rossie

Mary A. Webb

Christie E. Williams

Maria Fernanda San Martin-Gonzalez

Eva Haviarova

Wendy A. Peer

Kimber J. Nicoletti

Pamala V. Morris*

DEPARTMENT

Agricultural and Biological Engineering

Agricultural Economics

Agronomy

Animal Sciences

Biochemistry

Botany and Plant Pathology

Entomology

Food Science

Forestry and Natural Resources

Horticulture and Landscape Architecture

Youth Development and Agricultural Education

Multicultural Programs

Graduate Council in Agriculture

NAME

Indrajeet Chaubey

Gerald E. Shively

Eileen J. Klavidko

Todd J. Applegate

Frederick S. Gimble

Robert E. Pruitt*

Linda J. Mason

Rengaswami Chandrasekaran

Rado Gazo

Roberto G. Lopez

Neil A. Knobloch

Shawn Donkin

DEPARTMENT

Agricultural and Biological Engineering

Agricultural Economics

Agronomy

Animal Sciences

Biochemistry

Botany and Plant Pathology

Entomology

Food Science

Forestry and Natural Resources

Horticulture and Landscape Architecture

Youth Development and Agricultural Education

Agricultural Research

* Denotes Chairperson or Convener

Honors Committee

NAME

Jenna L. Rickus
 Elizabeth A. Yeager
 George E. Van Scoyoc
 John A. Patterson
 Thomas J. Kappock IV
 Mary A. Webb
 (No Departmental Response)
 Lisa J. Mauer *
 Richard Meilan
 Cary A. Mitchell
 John G. Graveel
 Abigail Borron
 Timothy P. Kerr

DEPARTMENT

Agricultural and Biological Engineering
 Agricultural Economics
 Agronomy
 Animal Sciences
 Biochemistry
 Botany and Plant Pathology
 Entomology
 Food Science
 Forestry and Natural Resources
 Horticulture and Landscape Architecture
 Natural Resources and Environmental Science
 Youth Development and Agricultural Education
 Academic Programs

Instructional Innovation Committee

NAME

David M. Umulis
 Kim A. Cook
 Devdutta S. Niyogi
 John S. Radcliffe
 Harry Charbonneau
 Steve G. Hallett
 Vishal Lodha
 Haley F. Oliver
 Rod N. Williams
 David Rhodes*
 Brian A. Talbert

DEPARTMENT

Agricultural and Biological Engineering
 Agricultural Economics
 Agronomy
 Animal Sciences
 Biochemistry
 Botany and Plant Pathology
 Entomology
 Food Science
 Forestry and Natural Resources
 Horticulture and Landscape Architecture
 Youth Development and Agricultural Education

J. Marcos Fernandez

Academic Programs

* Denotes Chairperson or Convener

Helpful Sites & Templates for New Faculty

Blackboard/Vista & Blackboard Learn

<http://www.itap.purdue.edu/tlt/blackboard/index.cfm>

Center for Instructional Excellence

<http://www.purdue.edu/cie/>

According to the website... “The Center for Instructional Excellence (CIE) promotes instructional excellence at Purdue University by serving as a catalyst to advocate, develop, and implement continuous improvement in teaching and learning. Guided by the Teaching Academy, and in cooperation with its strategic partners, CIE: provides opportunities for development of faculty, graduate teaching assistants, and teaching staff; serves as a central point of information about teaching and learning; and promotes the scholarship of teaching and learning at Purdue University.”

ITaP Teaching and Learning Services

<http://www.itap.purdue.edu/tlt/services.cfm>

Information Technologies at Purdue (ITaP) Teaching & Learning Services has numerous technology and computer related services under the following broad categories: Computer Lab Services; Classroom Services; Departmental Computer Labs; Online Instructional Systems; Instructional Support Services; and Centrally Licensed Client Software.

Rosen Center for Advanced Computing (RCAC)

<http://www.rcac.purdue.edu/>

Faculty and Staff Handbook

http://www.purdue.edu/faculty_staff_handbook/

The Purdue Faculty & Staff Online Handbook has links leading to detailed information on: Facilities & Services; Policies & Procedures; and Recreational Opportunities.

Course Syllabus Template

COURSE NUMBER AND TITLE INSTRUCTOR'S NAME

Office: Office Location

Phone: Phone Number

Email: Email Address

Office Hours: Time and Location

Instructor's Web page

TEACHING ASSISTANT'S NAME

Office: Office Location

Phone: Phone Number

Email: Email Address

Office Hours: Time and Location

COURSE DESCRIPTION

COURSE INFORMATION

Semester, Year

Meeting Day(s), Time(s)

Class Location

Course Web Page

Include a clear description of the course and any extra fees associated with the course. Include the official university description. Connect course themes and topics to the discipline. Explain the relevance of the content and the course.

PREREQUISITES (IF NEEDED)

List any pre-requisite skills needed or courses students must take before enrolling in this course.

COURSE GOALS

List course goals (typically 4-6). Goals are broad, overall statements of what students will learn by the end of the course.

LEARNING OBJECTIVES

List course objectives that state specifically what students will be able to do by the end of the course and how well they need to do it. Objectives should be written with action verbs and should be easily measurable.

COURSE REQUIREMENTS

Identify the assignments students need to complete as part of the course. Include the date assignments are due and the number of points each assignment is worth.

REQUIRED TEXTS

List any required texts and additional materials needed. Use a full citation and state where the texts/materials can be purchased. List any optional texts if used. List alternate ways the students can access the text(s) (e.g., Purdue library, online)

POLICIES

General Course Policies

Indicate your policy for (1) addressing students questions via emails, (2) students arriving late/leaving early, (3) use of cell phones/computers in class, (4) technology issues, (5) class participation/preparedness.

GRADING

Indicate the numerical ranges for each letter grade. A statement from you as to what it takes to earn a good grade in the course is encouraged.

ACADEMIC DISHONESTY

You need to write your personal policy on academic dishonesty for your course. You may also want to include the University policy for academic dishonesty (below):

Purdue prohibits "dishonesty in connection with any University activity. Cheating, plagiarism, or knowingly furnishing false information to the University are examples of dishonesty." [Part 5, Section 11/-8-2-a, University Regulations J Furthermore, the University Senate has stipulated that "the commitment of acts of cheating, lying, and deceit in any of their diverse forms (such as the use of substitutes for taking examinations, the use of illegal cribs, plagiarism, and copying during examinations) is dishonest and must not be tolerated. Moreover, knowingly to aid and abet, directly or indirectly, other parties in committing dishonest acts is in itself dishonest." [University Senate Document 72-18, December 15, 1972J

You may want to refer students to Purdue's student guide for academic integrity (<http://www.purdue.edu/odos/aboutodos/academicintegrity.php>)

ATTENDANCE

You need to write your personal policy for students missing class and the consequences. Address what the student should do if a class is missed. You may also want to include the University policy for attendance (below):

Students are expected to be present for every meeting of the classes in which they are enrolled. Only the instructor can excuse a student from a course requirement or responsibility. When conflicts or absences can be anticipated, such as for many University sponsored activities and religious observations, the student should inform the instructor of the situation as far in advance as possible ... For unanticipated or emergency absences when advance notification to an instructor is not possible, the student should contact the instructor as soon as possible by email, or by contacting the main office that offers the course. When the student is unable to make direct contact with the instructor and is unable to leave word with the instructor's department because of circumstances beyond the student's control, and in cases of bereavement, the student or the student's representative should contact the Office of the Dean of Students, CIE 2010

The link to the complete policy and implications can be found at <http://www.purdue.edu/odos/services/classabsence.php>

GRIEF ABSENCE POLICY FOR STUDENTS

Below is the University's Grief Absence Policy for Students

Purdue University recognizes that a time of bereavement is very difficult for a student. The University therefore provides the following rights to students facing the loss of a family member through the Grief Absence Policy for Students (GAPS). GAPS Policy:

Students will be excused for funeral leave and given the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for misses assignments or assessments in the event of the death of a member of the student's family.

MISSED OR LATE WORK

Include your policy on late or missed assignments (e.g., homework, labs, exams). Define clear expectations and consequences. Also include your policy on making-up missed assignments (e.g., homework, tests, labs).

VIOLENT BEHAVIOR POLICY

Below is Purdue's policy prohibiting violent behavior. See the following website for additional information: http://www.purdue.edu/policies/pages/facilitiesJands/i_2_3.shtml

Purdue University is committed to providing a safe and secure campus environment for members of the university community. Purdue strives to create an educational environment for students and a work environment for employees that promote educational and career goals. Violent Behavior impedes such goals. Therefore, Violent Behavior is prohibited in or on any University Facility or while participating in any university activity.

STUDENTS WITH DISABILITIES

Below is Purdue's plate for supporting students with disabilities. Purdue University is required to respond to the needs of the students with disabilities as outlined in both the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 through the provision of auxiliary aids and services that allow a student with a disability to fully access and participate in the programs, services, and activities at Purdue University. Add your personal timeline and procedure for being notified by a student (sample below). If you have a disability that requires special academic accommodation, please make an appointment to speak with me within the first three (3) weeks of the semester in order CIE 2010 to discuss any adjustments. It is important that we talk about this at the beginning of the semester. It is the student's responsibility to notify the Disability Resource Center of an impairment/condition that may require accommodations and/or classroom modifications.

EMERGENCIES

Add your personal policy for health emergencies and other emergencies. Define procedures for communicating with the students and submitting assignments. Below is Purdue's plate for addressing such emergencies. In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email or phone. You are expected to read your @purdue.edu email on a frequent basis.

NONDISCRIMINATION

Below is Purdue's plate for nondiscrimination. Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life. Purdue University prohibits discrimination against any member of the University community on the basis of race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability, or status as a veteran.

The University will conduct its programs, services and activities consistent with applicable federal, state and local laws, regulations and orders and in conformance with the procedures and limitations as set forth in Executive Memorandum No. D-I, which provides specific contractual rights and remedies.

CLASS SCHEDULE

Provide an outline of the content of the course with dates for readings, assignments, midterms, quizzes, labs, exams, etc. Be clear about the topics that will be covered each day in class and what the students should do in advance of class.

This syllabus is subject to change.

College of Agriculture Faculty Resources
available online at:

<http://www.ag.purdue.edu/dean/facultyinfo>